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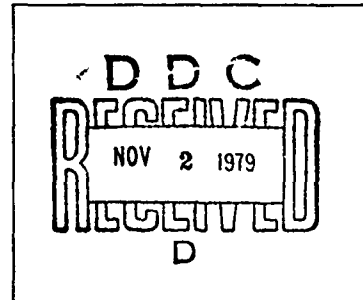
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AD A 076079

USAFETAC/DS-79/085

DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

FORT LEWIS WASHINGTON/GRAY AAF WBAN# 24201
N 47 05 W 122 35 ELEV 311 FT. KGRF WMO# 74207

PARTS A-F

POR FROM HOURLY OBS APR 39-JUL 40, JUN 60-DEC 70
POR FROM DAILY OBS APR 39-JUL 40, JUN 60-DEC 70

FEB 23 1972

FEDERAL BUILDING
ASHEVILLE, N. C.

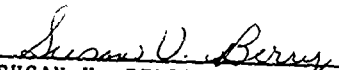
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This technical report has been reviewed and is approved for publication.


SUSAN V. BERRY, 2 Lt, USAF
Information Retrieval
Manager

FOR THE COMMANDER


WALTER S. BURGMANN
Scientific & Technical
Information Officer

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
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USAFETAC/DS- 79/085		
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Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Fort Lewis, Lacey, Washington		Final rept.
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17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18 SUPPLEMENTARY NOTES		
19 KEY WORDS (Continue on reverse side if necessary and identify by block number)		
*RUSSWO	Daily temperature	Atmospheric pressure
Snowfall	Extreme snow depth	Extreme surface winds
Climatology	Sea-level pressure	Psychrometric summary
Surface Winds	Extreme temperature	Ceiling versus visibility
Relative humidity	*Climatological data	(over)
20 ABSTRACT (Continue on reverse side if necessary and identify by block number)		
This report is a six-part statistical summary of surface weather observations for Fort Lewis, Lacey, Washington It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

DD FORM
1 JAN 73 1473

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19. Percentqge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* Washington

* Fort Lewis, Wa

20. and dew-point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurrence tables.

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

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USAFETAC OL-1
AIR WEATHER SERVICE (MAC)

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		STATION ELEV (FT)		CALL SIGN		WMO NUMBER	
24201		FORT LEWIS WASHINGTON/GRAY AAF		N 47 05		W 122 35		311		KGRF		74207	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			STATION (FT)	HGT					
1	Gray Fld, Ft Lewis Wash.	AAF	Apr 39	Jul 40	N 47 05	W 122 37		283	24				
2	Gray AAF, Ft Lewis Wash.	AAF	Jun 60	Feb 65	N 47 05	W 122 35	311	295	24				
3	No change	AAF	Mar 65	Jul 68	No chge	No chge	No chge	330	No chge				
4	No change	AAF	Aug 68	Aug 68	No chge	No chge	No chge	No chge	17				
5	No change	AAF	Sep 68	Apr 69	No chge	No chge	No chge	No chge	24				
6	No change	AAF	May 69	Dec 70	No chge	No chge	No chge	No chge	17				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Apr 39 to Jul 40	Located in operations bldg.	Anemometer	None	40 ft	
2	Jun 60 to Nov 63	Located 1200 ft S of E-W Rwy, 800 ft E of N-S Rwy.	AN/GMQ-11	None	13 ft	
3	Dec 63 to Feb 64	Located 1040 ft from centerline off the N end of the N-S Rwy.	No chge	None	No chge	

USAFETAC FORM 0-19 (OL A)
APR 68

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
4	Mar 64 to 13 Jun 67	Located 1040 ft E of N-S Rwy centerline and 648 ft S of E-W Rwy centerline.	No chge	None	No chge	
5	14 Jun 67 to Dec 70	No change	No chge	RO-214	No chge	

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ASHEVILLE, NORTH CAROLINA

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $5/8$ mile.

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
WEATHER CONDITIONS
XXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

29201 FORT LEWIS WASHINGTON/GRAY AAF 60-69 ALL
STATION STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	0-11Y		67.0	1.1	25.1	1.4	74.2	52.7	50.2			60.7	279
FEB			63.0		6.7	.2	64.6	60.7	48.8			64.4	254
MAR		.4	60.6		10.8	4.7	60.4	36.6	34.8			41.6	279
APR		2.2	64.8		1.9	7.0	65.2	30.4	26.7			36.7	270
MAY		1.9	43.6		.4	3.0	43.6	22.2	15.4			24.2	266
JUN		1.5	32.9			1.1	36.9	21.5	19.3			27.4	270
JUL		2.5	23.7			.4	23.7	18.0	21.1			25.4	279
AUG		2.4	33.6				33.6	29.7	33.6			39.9	253
SEP		2.6	38.9			.7	38.9	54.4	55.2			64.1	270
OCT		1.5	62.6			1.5	62.6	60.8	51.7	.4		66.0	265
NOV		.4	73.8		2.5	2.1	74.6	62.9	49.2			66.3	240
DEC		.4	72.8	1.8	21.9	.4	80.6	58.8	54.1			66.7	277
TOTALS		1.3	53.6	.2	5.0	2.0	55.3	42.4	39.3	.1		49.7	3204

DATA PROCESSING DIVISION
 SAI ETAC
 AIR WEATHER SERVICE

WEATHER CONDITIONS

42 10111 WASHINGTON/CRAY AAF 39-40,60-70 ALL
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	MO JRE (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.0	22.3	.5	5.0	.0	26.7	20.5	18.3			26.4	7966
FEB			20.7		.7		21.2	1.3	12.8			19.8	7268
MAR			17.6		1.2	.0	18.6	7.7	7.3			11.1	7963
APR		.1	15.3		.1	.0	15.3	4.4	5.5			8.0	8429
MAY		.0	11.5		.0	.0	8.5	3.1	2.5			4.5	8618
JUN		.0	7.3			.0	7.3	2.1	2.3			4.3	8938
JUL		.1	3.7				3.7	2.4	2.3			3.9	9013
AUG		.1	5.4				5.4	4.6	7.2			9.5	8318
SEP		.1	7.6				7.6	13.1	17.6			24.0	8217
OCT		.1	13.7			.0	13.7	18.7	18.4			28.1	8425
NOV			11.9		.5		22.3	22.1	13.0			26.2	8037
DEC			25.5	.2	3.3		28.1	23.7	15.8			28.6	8491
TOTALS		.0	14.1	.0	.9	.0	14.9	11.6	10.3		.0	16.2	99623

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AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24201 FORT LEWIS WASHINGTON/GRAY AAF 40,61-70 JAN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	00-02		21.7	.3	5.4		26.9	23.0	19.1			27.4	930
	03-05		20.4	.2	5.5		25.2	22.5	16.5			26.2	930
	06-08		22.9	.2	6.3		23.6	22.2	17.0			26.4	1023
	09-11		22.7		4.6		26.5	23.8	20.2			29.5	1022
	12-14	.1	24.5		4.6	.1	28.7	17.7	16.8			23.9	1023
	15-17		23.3		4.3		26.5	15.4	17.4			24.3	1023
	18-20		21.1		4.3		24.7	18.6	19.8			26.3	1023
	21-23		21.8	.2	5.1		26.2	20.5	19.6			26.6	992
TOTALS		.0	22.3	.1	5.0	.0	26.7	20.5	18.3			26.4	7966

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24201 FORT LEWIS WASHINGTON/GRAY AAF 40,61-70

IFR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
IFR	00-02		21.2		.7		21.7	22.0	15.3			23.2	849
	03-05		23.2		1.1		23.8	22.1	15.0			23.0	849
	06-08		21.7		.8		22.4	24.3	16.5			28.3	933
	09-11		19.1		.3		19.4	19.2	17.0			26.3	933
	12-14		20.5		.4		20.8	7.5	10.4			14.5	933
	15-17		21.4		.9		22.2	6.0	7.0			11.0	933
	18-20		20.5		.8		21.0	9.6	10.9			15.6	933
	21-23		18.1		.4		18.2	12.0	10.6			15.5	905
TOTALS			20.7		.7		21.2	15.3	12.8			19.8	7268

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ IAC

WEATHER CONDITIONS

24201

FOPT LEWIS WASHINGTON/GRAY AAF

40,61-70

YEAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAR	00-02		19.6		1.7		21.1	8.9	8.2			11.7	929
	03-05		21.2		1.1		22.3	14.3	10.7			16.1	928
	06-08		17.4		.6		18.0	19.5	13.8			23.2	1023
	09-11		17.0		1.0	.1	17.7	10.0	12.0			16.6	1022
	12-14		17.5		1.4	.1	18.5	3.2	5.1			7.0	1023
	15-17		18.2		1.5	.1	19.1	2.2	2.2			3.5	1023
	18-20	.1	15.0		.9		15.5	2.2	2.4			3.4	1023
	21-23		16.1		1.1		16.9	2.5	3.6			5.1	992
TOTALS		.0	17.8		1.2	.0	18.6	7.9	7.3			11.1	7963

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

WEATHER CONDITIONS

24201

FORT LEWIS WASHINGTON/GRAY AAF

39-40,61-70

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02		13.1		.1		13.2	4.1	6.3			8.0	989
	03-05		16.0		.1		18.0	10.9	8.7			14.3	995
	06-08		16.2				16.3	11.8	10.9			16.2	1080
	09-11	.1	15.4		.1		15.4	4.2	7.0			9.4	1080
	12-14		15.9		.2	.1	15.9	1.7	3.3			4.4	1080
	15-17	.1	15.0		.1	.2	15.1	1.1	1.9			2.8	1080
	18-20	.2	14.4				14.4	.9	7.0			2.9	1090
	21-23	.1	14.0				14.0	2.1	4.2			5.6	1045
TOTALS		.1	15.3		.1	.0	15.3	4.7	5.5			8.0	8429

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24201

FORT LEWIS WASHINGTON/GRAY AAF

39-40,61-70

JAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAY	00-02		8.1				8.1	2.6	1.4			3.8	986
	03-05		8.9				8.9	7.9	3.9			9.1	1027
	06-08		9.0		.1		9.0	8.3	6.4			11.3	1115
	09-11		9.2			.1	9.2	1.7	2.3			3.4	1110
	12-14		9.9				9.9	.7	.9			1.3	1110
	15-17	.2	8.9			.1	8.9	.5	1.4			1.9	1115
	18-20	.1	7.2				7.2	.3	1.4			2.2	1116
	21-23		6.5				6.5	2.0	1.9		.1	3.3	1027
TOTALS		.0	8.5		.0	.0	8.5	3.1	2.5		.0	4.3	8618

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24201

FORT LEWIS WASHINGTON/GRAY AAF

39-40,60-70

July

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02		6.6				6.6	1.9	2.4			3.7	989
	03-05		7.6				7.6	7.7	5.2			9.5	1050
	06-08		9.0				9.0	8.1	5.5			11.7	1170
	09-11		7.7				7.7	2.7	2.7			4.5	1170
	12-14	.1	7.2			.1	7.9	.9	.6			1.5	1170
	15-17	.1	8.0				8.0	.7	.6			1.3	1170
	18-20		5.8				5.8	.6	.8			1.4	1170
	21-23	.1	5.6				5.6	.6	.6			1.1	1049
TOTALS		.0	7.3			.0	7.3	2.9	2.3			4.7	8930

3

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ IAC

WEATHER CONDITIONS

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40.00-70
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02	.3	4.1				4.1	.4	1.8			2.2	996
	03-05	.1	4.3				4.3	6.0	4.1			7.9	1056
	06-08	.1	4.6				4.6	10.0	6.6			13.5	1182
	09-11	.1	3.5				3.5	2.1	4.2			5.7	1182
	12-14	.2	3.8				3.8	.5	.8			1.1	1182
	15-17		3.2				3.2		.5			.5	1179
	18-20	.1	2.8				2.8	.3	.4			.7	1179
	21-23	.1	3.0				3.0		.3			.3	1055
TOTALS		.1	3.7				3.7	2.4	2.3			3.9	9013

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24261 FORT LEWIS WASHINGTON/GRAY AAF 39,60-70 AUG
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02	.1	4.2				4.2	2.8	7.8			8.5	855
	03-05	.1	4.9				4.9	11.0	11.0			15.7	942
	06-08		5.7				5.7	14.2	14.7			22.4	1116
	09-11		6.0				6.0	4.0	11.9			14.3	1116
	12-14	.3	6.0				6.0	.0	3.8			4.6	1116
	15-17	.1	6.2				6.2	.0	2.2			3.0	1116
	18-20	.2	6.1				6.1	1.1	2.1			3.1	1116
	21-23		4.3				4.3	.4	3.7			4.1	941
TOTALS		.1	5.4				5.4	4.6	7.2			9.5	9313

3

DATA PROCESSING DIVISION
USAF ETAL
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02	.3	6.7				6.7	14.4	20.3			25.9	900
	03-05	.1	7.7				7.7	27.2	22.6			36.1	959
	06-08	.1	9.6				9.6	35.7	24.2			42.8	1078
	09-11		8.4				8.4	14.9	24.2			32.1	1080
	12-14	.2	6.1				6.1	3.1	13.7			15.4	1080
	15-17		6.2				6.2	1.3	9.3			10.5	1080
	18-20	.2	8.5				8.5	2.3	11.8			13.4	1080
	21-23	.1	7.2				7.2	5.7	14.7			15.9	960
TOTALS		.1	7.6				7.6	13.1	17.6			24.0	8217

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

74201 FORT LEWIS WASHINGTON/GRAY AAF 39,60-70

STATION

STATION NAME

YEARS

JCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JCT	00-02		12.2				12.2	26.9	24.0			35.8	896
	03-05		14.3				14.3	35.3	21.9			40.2	947
	06-08		15.0				15.0	35.5	18.3			34.2	1116
	09-11	.1	11.4				11.4	21.1	20.3			31.6	1116
	12-14	.3	16.6			.1	16.6	6.3	17.1			20.2	1116
	15-17		15.9				15.9	3.7	12.5			15.2	1115
	18-20	.1	13.3				13.3	6.5	14.0			17.9	1116
	21-23	.1	11.1				11.1	14.1	18.1			24.9	1003
TOTALS		.1	13.7			.0	13.7	18.7	18.4			28.1	9425

DATA PROCESSING DIVISION
USAF ETAG
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24201 STATION FORT LEWIS WASHINGTON/GRAY AAF 39,60-70 YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	00-02		23.5				23.5	26.9	16.8			30.9	810
	03-05		24.0		.1		24.0	29.3	14.6			31.4	810
	06-08		22.4		.6		22.4	28.7	10.9			30.4	1078
	09-11		21.7		.7		22.3	24.5	13.6			29.3	1080
	12-14		19.4		.7		19.9	15.3	10.1			19.8	1080
	15-17	.1	20.2		.8		20.9	13.4	10.6			18.6	1080
	18-20		21.1		.7		21.7	17.1	13.2			23.6	1080
	21-23		23.2		.5		23.4	21.3	14.0			25.4	1012
TOTALS		.0	21.9		.5		22.3	22.1	13.0			26.2	1037

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

24201 FORT LEWIS WASHINGTON/GRAY AAF 39,60-70
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L-T)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH -RECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
LFC	00-02		26.7	.2	3.7		29.3	25.4	14.6			28.7	929
	03-05		26.1	.1	4.8		29.5	25.7	13.7			28.0	930
	06-08		27.7	.3	3.4		30.7	27.4	12.2			30.0	1116
	09-11		22.0	.3	1.7		24.7	25.5	16.0			31.7	1116
	12-14		22.0	.2	3.6		25.4	20.1	16.7			26.4	1116
	15-17		28.0		1.3		29.0	20.3	13.5			27.7	1116
	18-20		26.3		2.6		28.3	21.9	14.9			28.9	1114
	21-23		24.3	.2	3.6		27.6	23.1	15.5			27.6	1034
TOTALS			25.5	.2	3.3		28.1	23.7	15.8			28.6	8491

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather	From beginning of record thru Jun 52	Snow depth at 0030 GCT
Bureau Stations	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,
~~which was included in the summary of the day observation prior to Jan 1956,~~

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

24201 FORT LEWIS WASHINGTON/GRAY AAF 39-40, 60-70

STATION

STATION NAME

YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	26.1	12.6	2.6	11.7	5.3	15.5	14.1	6.8	2.9					61.3	341	5.84	10.34	1.62
FEB	33.7	9.6	2.9	8.0	10.9	13.8	10.3	6.4	2.3					54.7	311	4.15	9.91	1.41
MAR	15.3	10.6	3.6	12.0	10.3	13.2	9.7	4.7	.3					56.0	341	3.33	5.25	.44
APR	36.4	14.2	5.6	12.2	8.1	12.5	7.2	2.8	1.1					49.4	360	2.72	4.01	.39
MAY	57.2	15.5	2.3	7.0	5.0	6.2	4.4	2.3						27.3	341	1.51	2.67	.53
JUN	62.1	13.8	2.1	6.9	2.6	6.7	3.9	1.5	.5					24.1	390	1.17	1.79	.06
JUL	74.2	10.2	1.6	3.3	3.8	4.0	1.1	1.1	.3					13.6	372	.79	1.50	TRACE
AUG	57.7	12.0	2.1	6.5	4.7	4.1	1.2	1.8						20.2	341	.94	2.44	TRACE
SEP	50.3	14.7	1.1	4.7	3.9	7.5	5.0	2.5	.3					25.0	360	1.74	4.31	.32
OCT	40.0	16.1	4.8	11.0	2.9	11.3	7.1	6.1	.6					41.9	310	2.02	4.67	1.21
NOV	30.0	10.6	3.6	10.0	10.0	12.4	12.1	7.0	3.9	.3				50.4	330	5.61	11.35	2.06
DEC	19.1	11.4	2.6	14.1	8.5	18.2	15.0	8.5	2.6					69.5	341	5.93	10.04	3.52
ANNUAL	45.4	12.6	2.9	9.0	6.3	10.4	7.6	4.5	1.2	.0				42.0	4138	36.95		

EXTREME VALUES

242 1	PORT LEWIS WASHINGTON/GKAY AAP	39-40, 60-70
STATION	STATION NAME	

24 HOUR AMOUNTS IN INCHES

[illegible]

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

24.1
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40, 60-70

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

24201 FORT LEWIS WASHINGTON/GRAY AAF 9-40, 50-70

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02 03	06 10	11 25	26 50	51 100	101 250	251 500	501 1000	1001 2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 04	05 14	15 24	25 34	35 44	45 64	65 104	105 154	155 254	255 504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120					
JAN	75.8	12.6	2.3	3.2	2.9	2.3	.8	.3						11.6	310	0.2	28.7	.0
FEB	95.5	5.3		.4	.4			.4						1.1	282	.9	5.2	.0
MAR	89.4	7.4	1.0	1.6		.3			.3					3.2	310	1.5	11.9	.0
APR	97.0	3.0													300	TRACE	TRACE	.0
MAY	99.7	.3													310	TRACE	TRACE	.0
JUN	100.0														330	.0	.0	.0
JUL	100.0														341	.0	.0	.0
AUG	100.0														341	.0	.0	.0
SEP	100.0														330	.0	.0	.0
OCT	100.0														327	.0	.0	.0
NOV	96.3	2.3	.3	.7				.3						1.3	300	.7	5.2	.0
DEC	78.9	13.5	2.3	2.6	1.3	.6	.3							7.6	341	2.5	14.0	.0
ANNUAL	94.2	3.7	.5	.7	.4	.3	.1	.1	.0					2.1	3822	11.7		

1 DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

24201 STATION FORT LEWIS WASHINGTON/GRAY AAF 39-40, 60-70 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02 05	06 10	11 25	26 50	51 100	101 250	251 500	501 1000	1001 2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 04	05 14	15 24	25 34	35 44	45 64	65 104	105 154	155 254	255 504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120					
JAN	90.0	.3	5.6	1.2	.9	.9	1.2							9.7	341			
FEB	98.1	.6	.3	.2		.6								1.3	311			
MAR	97.9	.3	.3	.3	.9	.3								1.8	341			
APR	100.0														360			
MAY	100.0														372			
JUN	100.0														390			
JUL	100.0														394			
AUG	100.0														372			
SEP	100.0														360			
OCT	100.0														371			
NOV	95.9	.3		.3	.2	.2								.8	360			
DEC	96.0		2.2	1.1	.5	.3								4.0	372			
ANNUAL	98.4	.1	.7	.3	.2	.2	.1							1.5	4344			

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

39-40, 60-70

YEARS

[illegible]

NOTE * (BASED ON < FULL MONTHS)

USAF ETAC FORM 0-88.5 (OLI)
JUL 64

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

24201 FORT LEWIS WASHINGTON/GRAY AAF 39-40, 60-70
STATION STATION NAME

STATION

STATION NAME

YEARS

DAILY SNOW DEPTH IN INCHES

[illegible]

NOTE * (BASED ON < FULL MONTHS)

USAF ETAC FORM 0-88.5 (OLI)

XXXXXXXXXXXXXXXXXXXX
EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

24201 FORT LEWIS #ASHINGTON/GRAY AAF 39-40, 60-70

[illegible]

NOTE * (BASED ON < FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLI)

ATA PRESSURE DIVISION
 SA ETAC
 AIR PLAYER OF VICE/AC

EXTREME VALUES

5. CIRCULAR
 (FROM DAILY OBSERVATIONS)

STATION 39-42, 40-72 YEARS

LESS THAN FULL MONTHS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1													PRECIP DAYS
2													PRECIP DAYS
3													PRECIP DAYS
4													PRECIP DAYS
5													PRECIP DAYS
6													PRECIP DAYS
7													PRECIP DAYS
8													PRECIP DAYS
9													PRECIP DAYS
10													PRECIP DAYS
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95													PRECIP DAYS
96													PRECIP DAYS
97													PRECIP DAYS
98													PRECIP DAYS
99													PRECIP DAYS
100													PRECIP DAYS
MEAN													
S D													
TOTAL OBS													

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WIND
(FROM DAILY OBSERVATIONS)

24231
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

05 07-70

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
61					16	345W	20WSW	22SW	23W	23			
62							55W	17WSW	14SW	42SW	30	36SW	32
63	15/ 30	14/ 28	10/ 30	10/ 30	27/ 24	22/ 10	21/ 10	23/ 18	20/ 20	20/ 20	11/ 31	17/ 40	17/ 40
70	22/ 32	4/ 30	17/ 26	25/ 30	21/ 21	23/ 24	25/ 19	2/ 10	24/ 22	19/ 25	19/ 31	17/ 30	19/ 37
MEAN	31.0	24.3	33.3	30.0	26.3	22.3	20.6	20.0	20.6	28.5	31.5	35.0	31.0
S.D.					3.360	4.031	4.037	4.559	8.111	7.047	3.316	3.829	
TOTAL OBS.	72	69	72	80	124	119	152	124	149	122	117	122	11

USAF ETAC FORM 0-88-5 (OII)

4174 ACZ 41413
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME
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05, 157-16

YFAPS

[illegible]

USAF PAC. FORM 088-2 (OII)

ATA PROCESSION DIVISION
 TAC/USAF
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 STATION NAME FORT LEWIS WASHINGTON/GRAY AAF YEARS 39-40, 60-70 MONTH ALL
 CLASS ALL WEATHER HOURS (L.S.T.) ALL
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.9	1.9	.8	.1								3.7	5.2
NNE	1.6	2.1	1.3	.2	.0							4.6	5.7
NE	.9	1.3	.7	.1	.0		.0					3.0	5.3
ENE	.5	.4	.2	.0	.0	.0						1.2	4.5
E	.5	.2	.0	.0								.7	3.0
ESE	.7	.3	.0	.0								1.0	3.1
SE	.8	.5	.2	.0	.0							1.5	3.9
SSE	1.5	1.3	.5	.1	.0	.0	.0					3.4	4.4
S	2.9	4.0	3.1	1.1	.2	.0	.0					11.3	6.2
SSW	1.7	4.9	5.3	1.4	.1	.0						13.3	7.1
SW	1.1	2.2	2.3	.6	.0	.0						6.3	6.8
WSW	.7	1.1	1.2	.4	.0	.0	.0					3.4	6.9
W	1.1	1.6	1.1	.3	.0							4.2	5.9
WNW	.9	1.9	1.0	.1	.0							3.9	5.5
NW	.9	1.3	.7									2.9	4.9
NNW	.6	1.0	.4	.0	.0							2.1	4.7
VARBL													
CALM												33.5	
	16.7	25.9	18.8	4.6	.4	.0	.0					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 99,01

DATA PROCESSOR DIVISION
 AFAC/USAF
 AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 STATION NAME FIRST LEWIS WASHINGTON/GRAY AAF YEARS 40,61-70 MONTH JAN
 CLASS ALL WEATHER
 HOURS (LST) ALL
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.5	.4	.6								1.6	4.7
NNE	1.1	1.7	1.6	.1	.0							4.1	5.6
NE	1.1	1.2	.8	.9	.0							3.2	5.0
ENE	.8	.7	.3	.1		.0						1.0	4.7
E	.6	.2	.0									1.0	2.7
ESE	.9	.4	.0									1.3	2.9
SE	1.0	.0	.2	.0								1.3	3.7
SSE	1.7	1.5	.9	.1								4.1	4.8
S	2.0	2.2	0.0	3.0	.2	.1	.0					17.3	7.8
SSW	1.2	3.8	7.6	3.4	.4	.0						16.4	8.6
SW	.3	.9	1.6	1.0	.1	.0						4.0	8.6
WSW	.4	.4	.5	.5	.0							1.7	8.0
W	.5	.5	.2	.1	.0							1.2	5.0
WNW	.3	.3	.1	.0	.0							.7	4.0
NW	.4	.2	.0									.6	3.3
NNW	.4	.2	.1		.0							.6	3.4
VARBL												32.3	
CALM													
	14.2	16.1	19.4	8.3	1.1	.1	.0					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 7207

DATA PROCESSING DIVISION
ETAC/USAF
AFB EATON SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201 STATION FORT LEWIS WASHINGTON/GRAY AAF 40,01-70 YEAR MONTH ALL HOURS (L & T.)
STATION NAME CLASS CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.0	.3	.1								2.1	4.9
NNE	.0	1.0	.3	.1								2.5	5.4
NE	1.0	1.2	.4	.2								2.9	5.1
NNE	.0	.6	.1	.0								1.3	3.9
E	.0	.2	.0									.8	2.8
ESE	1.0	.5	.1	.0								1.6	3.3
SE	1.0	.6	.2	.0								1.8	4.0
SSE	1.7	1.6	.6	.1								3.0	4.3
S	3.3	4.4	4.4	1.8	.1							14.1	6.6
SSW	2.0	4.9	6.9	2.4	.2	.0						16.4	7.7
SW	.7	1.8	2.5	1.1	.1	.3						6.2	7.9
WSW	.4	.7	.6	.4	.0	.0						2.3	7.6
W	.4	.7	.4	.2	.1							1.7	6.5
WNW	.2	.2	.1	.0								1.1	6.2
NW	.3	.5	.1									1.0	5.7
NNW	.2	.6	.1									1.1	3.6
VARBL													
CALM												37.1	
	15.0	20.0	17.8	6.3	.2	.1						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 7204

DATA PROCESSING DIVISION
 AFAC/USAF
 AIRCRAFT ENGINEERING

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14201 STATION NAME FORT LEWIS WASHINGTON/GRAY AAF YEARS 40, 61-70
 CLASS ALL WEATHER
 CONDITION
 MONTH ALL
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.0	.8	.1								3.3	5.4
NNE	1.1	2.1	1.5	.3								4.3	5.9
NE	.6	1.5	.7	.1								2.0	5.5
ENE	.6	.3	.2	.0								1.1	4.2
E	.7	.2	.1									.7	3.0
ESE	.8	.2	.1									1.1	3.1
SE	1.2	.6	.3	.1								2.2	4.2
SSE	1.5	1.4	.7	.2	.0							3.9	4.9
S	3.1	4.5	3.9	1.8	.4	.0						13.7	6.9
SSW	1.8	5.0	6.4	1.9	.2	.0						15.7	7.5
SW	.6	1.8	2.4	.7	.2							5.8	7.5
WSW	.5	.8	1.2	.4		.1						2.9	7.5
W	.6	.9	1.1	.2	.1							3.0	6.5
WNW	.6	.7	.2	.0								1.6	4.4
NW	.5	.6	.1	.0								1.5	4.2
NNW	.6	.7	.3									1.8	4.3
VARBL													
CALM												34.1	
	16.1	23.4	19.8	5.6	.8	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 7965

DATA PROCESSING DIVISION
STAC/USAF
AIR WEATHER SERVICE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4201 STATION FORT LEWIS WASHINGTON/GRAY AFB 39-40,61-70 APR MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.5	.7	.2								1.2	5.4
NNE	.7	1.3	1.0	.2								1.3	6.1
NE	.5	1.0	.7	.1	.0							2.4	6.0
ENE	.5	.4	.1	.0								1.0	3.9
E	.6	.3	.0									1.0	3.1
ESE	.6	.3	.0									1.1	2.8
SE	.8	.5	.1									1.5	3.5
SSE	1.0	1.0	.4	.0								3.1	4.0
S	3.3	4.3	3.1	1.0	.1							11.9	5.9
SSW	1.5	6.4	0.6	1.6	.1							16.4	7.0
SW	1.3	2.7	3.7	1.2	.0							9.0	7.2
WSW	.8	1.0	2.1	.9	.0							5.6	7.5
W	1.4	1.8	1.9	.9	.1							5.7	7.1
WNW	.7	1.6	1.0	.3	.0							3.7	6.1
NW	1.3	1.2	.6	.1								2.0	4.8
NNW	.6	1.1	.4	.0								2.1	4.7
VARBL													
CAIM												26.2	
	17.0	27.2	22.5	6.6	.4							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 8429

DATA PROCESSING DIVISION
 AFAC/USAF
 AIR WEATHER SERVICE/1AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 STATION NAME FORT LEWIS WASHINGTON/GRAY AAF YEARS 79-40, 61-70 DAY MONTH ALL HOURS (LST) ALL CLASS ALL CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.3	1.4	.1								4.7	5.6
NNE	1.0	2.4	1.9	.2								5.8	5.8
NE	.9	1.4	1.3	.1								3.7	5.8
ENE	.6	.6	.4	.1								1.7	5.0
E	.4	.1	.0									.5	2.8
ESE	.5	.2										.7	2.6
SE	.5	.2	.0									.7	2.7
SSE	1.2	.8	.1	.0								2.1	3.4
S	3.0	3.0	1.5	.2	.0							7.7	4.7
SSW	1.9	5.7	4.1	.9	.0							12.4	5.2
SW	1.6	3.1	3.0	.9								7.5	5.5
WSW	1.4	1.8	2.0	.6	.1							4.8	4.6
W	1.5	2.6	2.2	.7	.0							4.9	3.4
WNW	1.0	3.0	1.7	.3								6.0	5.0
NW	1.1	2.0	1.1	.1								4.3	5.2
NNW	.8	1.5	.8	.0								3.1	5.2
VARBL													
CALM												24.7	
	14.1	30.6	21.6	3.9	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 8621

DATA PROCESSING DIVISION
AFAC/USAF
AIR WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40, 60-70
YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.0	1.2	.1								5.6	5.0
NNE	1.2	2.8	1.8	.1	.0							6.0	5.7
NE	.8	1.2	1.0	.1								3.1	5.6
ENE	.3	.4	.2	.0								1.0	4.9
E	.3	.1	.0									.5	3.5
ESE	.3	.1	.0									.5	3.0
SE	.4	.3	.0									.7	3.2
SSE	1.1	.8	.1									2.0	3.4
S	2.7	2.8	1.0	.1								6.4	4.3
SSW	2.4	6.1	4.1	.3								12.8	5.8
SW	1.7	3.7	3.3	.4								9.1	6.2
WSW	1.0	1.7	2.5	.3								3.6	6.6
W	1.8	3.1	2.0	.5								7.5	5.8
WNW	1.5	3.1	2.3	.3								7.2	5.9
NW	1.5	2.2	1.3	.2								5.2	5.2
NNW	.9	1.8	1.0	.0								3.6	5.3
VARBL													
CALM												23.2	
	19.3	33.3	21.8	2.4	.0							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 8937

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/ALC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 STATION NAME FORT LEWIS WASHINGTON/GRAY AAF YEARS 39-40,60-70 MONTH JUL
CLASS ALL WEATHER
HOURS (LST) ALL
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.3	1.6	.1								6.3	5.3
NNE	1.1	2.5	1.9	.2								6.1	5.2
NE	.5	1.3	.8	.2								2.8	5.9
ENE	.3	.3	.2	.1								.8	5.6
E	.3	.1	.0									.4	3.1
ESE	.2	.0	.0									.3	2.9
SE	.2	.1	.0									.3	2.9
SSE	.0	.3	.0									.9	2.9
S	2.7	2.4	.7	.0								5.8	4.0
SSW	1.8	4.4	2.0	.2								8.4	5.2
SW	1.8	3.1	1.9	.3								7.0	5.5
WSW	1.2	1.4	1.2	.2	.0		.0					4.5	5.6
W	2.8	3.4	1.7	.3	.0							8.2	5.0
WNW	2.2	5.0	3.0	.3								10.4	5.6
NW	1.9	3.4	2.2	.1								7.6	5.4
NNW	1.0	2.0	.6	.0								3.9	4.9
VARBL													
CALM												25.9	
	20.2	33.7	18.2	2.0	.0		.0					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 9000

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,00-70
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.7	1.3	.2								6.7	3.4
NNE	1.3	3.4	1.9	.4	.0							7.0	3.9
NE	.7	1.6	1.1	.2	.0							3.5	6.0
ENE	.3	.3	.2	.1	.0							.9	5.8
E	.2	.2	.0	.0								.6	3.4
ESE	.2	.1	.0									.1	1.1
SE	.4	.2	.0									.6	2.8
SSE	1.0	.7	.1									1.9	3.5
S	2.0	2.8	1.3	.1								7.0	4.7
SSW	1.5	4.9	2.9	.4								9.7	6.0
SW	1.1	2.8	2.1	.3								6.4	6.0
WSW	1.0	1.0	1.0	.2								3.8	5.6
W	1.7	2.5	1.7	.2								6.2	5.4
WNW	1.4	4.0	1.8	.3								7.5	5.6
NW	1.4	2.6	1.5	.1								5.5	5.2
NNW	.8	1.0	.6	.1								3.1	5.1
VARBL													
CALM												29.8	
	17.0	32.8	17.7	2.6	.1							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

8312

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/NAF

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24261 STATION FORT LEWIS WASHINGTON/GRAY AAF 49,60-70 YEARS
STATION NAME CLASS ALL WEATHER MONTH ALL
HOURS (L S T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.9	1.3	.2								5.1	5.5
NNE	1.2	3.5	2.0	.2								6.2	5.7
NE	1.1	1.5	1.0	.2	.0		.0					3.8	5.5
ENE	.4	.3	.3	.1	.0							1.1	5.4
E	.5	.1	.0									.6	2.5
ESE	.2	.1										.7	2.5
SE	.7	.2	.0									1.0	2.8
SSE	1.3	.9	.1	.0								2.3	3.6
S	3.0	3.7	1.8	.6								9.0	3.1
SSW	1.4	3.9	3.9	.7	.0	.0						9.8	6.7
SW	1.0	2.2	1.9	.5								5.5	6.4
WSW	.5	1.0	.9	.4	.0							2.9	6.0
W	.4	1.4	.6	.4	.0							3.5	5.3
WNW	.4	2.0	1.0	.0								3.4	5.3
NW	1.0	1.2	.5									2.7	4.4
NNW	.7	1.2	.3									2.3	4.3
VARBL													
CALM												36.7	
	16.2	26.1	15.7	3.0	.1	.0	.0					100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 4217

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 FORT LEWIS WASHINGTON/GRAY AAF 39,00-70 YEARS
STATION NAME CLASS ALL WEATHER
CONDITION

LCY MONTH
ALL
HOURS (LST.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.1	.4	.0								2.1	4.7
NNE	.4	1.5	.6	.2								3.1	5.4
NE	.0	1.2	.3	.1								2.5	4.7
ENE	.5	.5	.1									1.1	3.7
E	.4	.1	.0									.5	3.4
ESE	.7	.5	.1	.0								1.4	3.6
SE	1.2	.9	.2	.1								2.4	4.0
SSE	2.2	2.1	.7	.1	.0	.0	.0					5.2	4.6
S	3.0	5.1	3.8	1.2	.2	.0						13.4	6.4
SSW	1.4	4.4	5.6	1.4	.2							12.9	7.4
SW	.7	1.5	2.3	.6	.0							5.0	7.2
WSW	.5	.7	.7	.3								2.1	6.6
W	.7	1.0	.6	.1								2.4	5.4
WNW	.8	.9	.2	.1								1.9	4.4
NW	.0	.7	.1	.0								1.5	3.8
NNW	.6	.7	.1	.0								1.4	4.1
VARBL													
CALM												40.9	
	15.6	23.0	15.9	4.2	.4	.0	.0					100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 8424

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/3AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24201 STATION FORT LEWIS WASHINGTON/CRAY AAF 39,00-70 YEARS
STATION NAME ALL WEATHER MONTH ALL HOURS (L S T.)
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	.6	.3									1.7	4.1
NNE	.8	1.3	.6	.0								2.7	4.9
NE	.9	1.2	.2	.0								2.4	4.2
ENE	.7	.3	.0									1.0	3.1
E	.6	.3										.7	3.1
ESE	1.0	.7	.1	.0								1.7	3.3
SE	1.3	1.1	.3	.1	.0							2.0	4.3
SSE	2.2	2.6	.9	.2	.0							4.1	4.7
S	2.9	5.9	5.1	1.5	.2							15.5	6.6
SSW	1.3	4.4	7.0	1.7	.2	.0						14.6	7.7
SW	.0	1.1	1.5	.4	.0							3.7	7.2
WSW	.3	.5	.4	.4	.0							1.3	7.7
W	.6	.5	.2	.1	.0							1.5	5.5
WNW	.6	.4	.1	.0								1.1	3.7
NW	.5	.3	.1									.9	3.4
NNW	.6	.3	.0									.9	3.3
VARBL													
CALM												40.5	
	13.8	21.8	16.8	4.5	.0	.0						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 80,97

DATA PROCESSING DIVISION
AFAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 24201 STATION NAME FIFT L HIS WASHINGTON/GRAY AAF YEARS 39,60-70 JFC ALL
MONTH ALL
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.3	.1									.0	3.6
NNE	.9	1.0	.7	.0								2.6	5.2
NE	1.4	1.1	.4	.0	.0							2.9	4.2
ENE	.5	.4	.2									1.6	3.3
E	.7	.2	.0									.9	2.7
ESE	1.0	.6	.1									1.8	3.5
SE	1.4	.9	.6	.2								3.0	4.8
SSE	1.6	1.9	1.1	.3	.1							5.1	5.5
S	3.0	4.9	4.9	2.4	.3	.0						15.6	7.2
SSW	1.2	4.5	7.2	2.1	.1							15.1	7.8
SW	.8	1.2	1.8	.6	.0							4.4	7.2
WSW	.4	.4	.5	.2	.1	.0						1.6	7.5
W	.5	.4	.2	.1	.0							1.4	5.9
WNW	.3	.2	.0									.5	3.3
NW	.4	.1	.0									.5	2.8
NNW	.2	.1	.0									.3	3.4
VARBL													
CALM												42.1	
	15.1	18.2	17.8	6.1	.0	.0						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 3490

ATA PROCESSING DIVISION
 CTAC/USAF
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24201 STATION NAME FORT LEWIS WASHINGTON / GRAY AAF YEAR 40,01-67 MONTH JAN
 CLASS ALL WEATHER
 HOURS 0000-0200
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.1	.4									.8	6.1
NNE	.4	1.0	1.0									2.4	6.0
NE	1.1	1.0	.4									2.5	4.5
ENE	1.0	.8	.3									2.0	3.9
E	.5	.1										.6	2.7
ESE	1.0	.5										1.5	2.8
SE	.5	.8	.3									1.6	4.4
SSE	2.0	1.5	1.1	.2								5.4	4.7
S	3.7	2.7	6.0	2.9	.3							19.1	7.2
SSW	1.3	4.7	6.3	2.2		.1						15.3	8.0
SW	.1	.3	1.4	1.1	.1							3.0	10.3
WSW	.2	.3	.4	.1								1.1	6.5
W	.3	.1	.1	.1								.6	5.5
WNW	.5	.1										.6	2.3
NW													
NNW	.5											.5	2.2
VARBL													
CALM												42.9	
	14.0	17.0	18.4	7.2	.4	.1						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24201 STATION NAME FORT LEWIS 455 MINGTON/GRAY AAF YEARS 40, 61-69 MONTH JA
CLASS ALL WEATHER HOURS (LST) 0300-0500
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.4									.5	7.2
NNE	.5	.9	.6									2.2	5.4
NE	1.1	1.4	.8									3.1	4.0
ENE	.5	.6	.3	.2								1.6	5.1
E	.3	.1										.4	2.3
ESE	.6	.3	.1									1.1	3.4
SE	1.3	1.1	.2									2.6	3.6
SSE	2.2	2.3	1.1									5.5	4.5
S	2.1	7.2	6.8	2.6	.3		.1					19.7	7.3
SSW	1.2	3.8	6.1	2.6	.5							14.2	4.4
SW	.3	.2	.9	.6	.1							2.2	5.4
WSW	.2	.1	.1	.2								.6	7.3
W		.4	.1		.1							.6	7.3
WNW	.2	.2			.1							.5	6.4
NW	.2											.2	2.0
NNW	.3											.3	2.3
VARBL													
CALM												44.2	
	11.2	18.7	17.6	6.2	1.2		.1					100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 230

DATA PROCESSING DIVISION
 FTAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24231 STATION NAME FORT LEWIS WASHINGTON/OKAY AAF YEARS 40,61-70 MONTH JUL
 CLASS ALL WEATHER HOURS (LST) 0600-0300
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4	.3									1.1	4.5
NNE	.7	1.5	.8	.1								3.7	5.5
NE	.8	.8	.5									2.1	4.7
ENE	.9	.6	.2	.1								1.3	4.1
E	1.4	.4										1.6	2.6
ESE	1.5	.2	.1									1.8	2.6
SE	1.7	.2	.5	.1								2.9	4.3
SSE	2.0	2.2	1.7									5.8	5.2
S	3.9	6.3	5.1	2.2	.4							17.9	6.7
SSW	1.0	3.7	6.6	3.4	.4							15.8	8.7
SW	.8	.4	1.0	1.1	.2							3.4	8.7
WSW	.2	.2	.1	.1								.6	6.3
W	.1											.1	3.0
WNW		.3										.3	4.0
NW	.2											.2	2.4
NNW	.1	.1										.2	2.5
VARBL													
CALM												42.5	
	15.2	17.5	16.8	6.9	1.0							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 1023

ATA PROCESSING DIVISION
 AFAC/USAF
 THE WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24701 GUNT LEWIS WASHINGTON/GRAY AAF 40,01-70 JAN MONTH
 STATION STATION NAME YEARS
 ALL WEATHER CLASS
 0900-1100 HOURS (LST)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.3	.3									1.1	5.9
NNE	1.0	1.5	.7	.1								3.2	5.3
NE	1.7	1.3	1.0	.1								4.5	4.7
ENE	.4	.2	.2			.1						1.7	4.9
E	.0	.4	.2									1.2	3.9
ESE	1.2	.2										1.4	2.5
SE	.0	.6	.1									1.3	4.1
SSE	1.0	2.0	.8	.2								4.5	5.0
S	2.8	5.7	6.7	2.7	.8	.2						19.0	7.9
SSW	1.9	4.2	6.8	4.4	.4							17.7	9.5
SW	.7	.5	1.5	.7								3.3	7.7
WSW	.7	.4	.6	.1								1.8	5.6
W	.5	.7	.1									1.7	4.3
WNW	.5	.2	.1									.8	3.1
NW	.2	.2										.4	2.5
NNW	.4	.3	.1									.9	3.9
VARBL													
CALM												31.7	
	15.3	19.3	19.4	11.3	1.2	.3						105.0	4.4

TOTAL NUMBER OF OBSERVATIONS 1027

ATA PRINCIPAL DIVISION
 FTAC/USAF
 AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201 STATION FORT LEWIS WASHINGTON/GRAY AAF 40,01-70 YEARS JAN MONTH 1200-1400 HOURS (LST)
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.3	.5	.2								3.3	4.5
NNE	2.0	2.6	2.0	.2	.1							6.3	5.8
NE	.9	2.0	1.0		.2							4.6	6.4
ENE	.6	.8	.4	.1								1.9	5.4
E	1.3	.1										1.4	2.4
ESE	.6	.7										1.3	3.5
SE	.7	.2	.2									1.1	3.5
SSE	.6	.7	.7	.2								2.2	5.7
S	1.4	2.4	5.9	3.7	.0							14.0	9.0
SSW	.7	3.2	9.4	6.1	.4							19.7	9.6
SW	.0	1.5	2.5	1.7	.1	.1						6.5	8.7
WSW	.7	.7	.9	1.6	.2							4.0	9.6
W	1.2	1.3	.2	.1	.1							2.8	4.0
WNW	.8	.8	.2									1.8	3.8
NW	1.3	.5	.3									2.1	3.7
NNW	.8		.2									1.0	3.3
VARBL													
CALM												25.7	
	15.2	18.7	24.8	13.8	1.1	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING DIVISION
STAC/USA
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24201 STATION NAME FORT LEWIS WASHINGTON/GRAY AFB YEARS 40,61-70 MONTH JAN
CLASS ALL WEATHER HOURS (LST) 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.4	.4	.1								3.1	4.8
NNE	2.6	2.8	2.2	.4								8.0	5.5
NE	1.5	1.7	1.0									4.1	4.4
ENE	1.0	.7	.4									3.1	4.2
E	.7	.2										.6	2.1
ESE	.6	.2										1.0	2.2
SE	1.1	.5										1.6	2.6
SSE	1.2	.4	.7									2.2	4.5
S	1.2	3.9	5.8	3.7	.5	.1	.1					15.5	8.9
SSW	1.2	3.7	9.9	2.9	.2	.1						18.7	8.5
SW	.3	1.7	2.2	1.1	.3							4.6	9.0
WSW	.6	.6	1.3	1.0								3.6	8.6
W	1.2	.6	.5	.4								2.4	5.3
WNW	.3	.6	.1	.1								1.1	5.2
NW	.6	.4										1.7	2.9
NNW	.6	.5	.1									1.7	2.5
VARBL													
CALM												28.7	
	10.1	19.8	24.4	9.7	1.0	.2	.1					100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAG

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24201 FIFTY LEADS WASHINGTON/GRAY AAF 40,61-70
STATION NAME YEARS
CLASS ALL WEATHER
CONDITION
MONTH July
1000-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.2	.2									1.2	3.7
NNE	.0	2.0	1.2	.2								3.9	6.1
NE	1.1	.7	.6									2.3	4.5
NNE	.0	.6	.5	.1								2.0	5.2
E	.9	.2										1.1	2.5
ESE	.0	.3										1.3	3.2
SE	1.1	1.0										2.1	3.1
SSE	1.9	2.0	.6	.1								4.5	4.5
S	2.0	4.7	5.7	3.0	.7	.1						16.8	7.9
SSW	1.4	3.1	7.2	3.2	.3							15.2	8.6
SW	.0	1.2	1.7	.7	.1							4.4	7.4
WSW		.1	.3	.4								.9	10.5
W	.3	.5	.3									1.1	5.0
WNW													
NW	.3	.1										.4	3.3
NNW	.2	.2										.4	2.8
VARBL													
CALM												42.6	
	13.4	16.9	18.2	7.7	1.1	.1						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 1023

1 DATA PROCESSING DIVISION
3 ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201 STATION FORT LEWIS WASHINGTON/GRAY AAF STATION NAME 40,61-70 YEARS JAN MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.5	.1									1.0	3.4
NNE	.7	1.3	1.2									3.2	5.6
NE	.7	.9	.8									2.4	5.3
ENE	.5	.9	.3									1.7	5.0
E	1.0	.2										1.2	2.9
ESE	.0	.2										1.0	2.7
SE	1.0	.5	.2									1.7	3.4
SSE	1.0	1.1	.5									3.2	4.2
S	2.1	5.7	8.4	2.9	.4							16.6	7.6
SSW	1.5	3.6	8.5	2.1	.6							16.1	8.4
SW	.3	1.0	1.2	.7								3.2	8.0
WSW	.4	.5	.3	.1								1.3	5.5
W	.5	.1	.1	.1								.8	4.5
WNW	.4	.1										.3	2.3
NW	.2	.4										.6	3.8
NNW	.3	.1			.1							.5	5.4
VARBL													
CALM												45.0	
	12.1	17.2	18.6	5.9	1.1							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 777

DATA PROCESSING DIVISION
AFAC/USAF
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201 STATION FORT LEWIS WASHINGTON/GRAY AAF 40,61-69 YEARS FEB MONTH
ALL WEATHER CLASS 0000-0200 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.1										.4	3.3
NNE	.4											.4	2.7
NE	.5	.1										.6	2.8
ENE	.1	.1										.2	3.0
E	.8	.1	.1									1.1	2.7
ESE	1.3	.5										1.5	2.9
SE	1.5	.5	.5									2.2	4.1
SSE	2.7	1.2	.6									4.5	3.7
S	4.4	6.1	5.4	1.8								17.6	6.1
SSW	2.0	4.7	6.6	2.0	.2							15.5	7.7
SW	.2	1.2	1.8	1.1								4.2	8.5
WSW		.2		.2								.5	9.3
W	.1	.4	.2	.1								.4	7.3
WNW	.1											.1	2.0
NW			.1									.1	10.0
NNW	.2											.2	2.0
VARBL													
CALM												49.2	
	14.2	15.2	15.3	5.2	.2							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 249

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24201 FULT LEWIS WASHINGTON/GRAY AAF STATION NAME 40,01-69 YEARS FEB MONTH 0300-0500 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1										.2	4.0
NNE	.4		.1									.5	3.8
NE	.0	.2										1.1	2.9
ENE	.5	.5										.9	3.6
E	.4											.4	2.7
ESE	1.3	.1		.1								1.5	3.5
SE	2.0	.7	.1	.2								3.1	3.9
SSE	2.9	1.4	.9									5.3	4.0
S	4.2	5.4	4.8	1.1								15.5	5.9
SSW	1.8	3.7	8.6	1.9	.4							16.3	8.0
SW	.5	.9	1.1	.5								2.9	7.2
WSW		.2	.4	.2								.8	8.3
W	.2	.5	.4									1.1	5.4
WNW	.2	.4										.6	4.0
NW	.1	.1										.2	3.0
NNW	.2											.2	2.5
VARBL													
CALM												49.4	
	15.7	14.3	16.4	4.0	.4							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 249

DATA PROCESSING DIVISION
ETOL/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201 FORT LEWIS WASHINGTON/GRAY AAF 40,61-70 FFB
STATION STATION NAME YEARS MONTH
ALL WEATHER 0600-0800
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1											.1	2.0
NNE	.3	.3	.1									.7	4.4
NE	.5	.8	.3	.2								2.0	5.2
ENE	.6	.1										.7	2.4
E	.5											.5	1.6
ESE	1.1	.2	.1									1.4	2.7
SE	1.3	.5	.2									2.0	3.3
SSE	2.0	1.8	.5	.1								5.0	4.0
S	4.7	4.1	4.9	1.3								15.0	6.0
SSW	2.4	4.4	8.9	2.8								16.4	7.6
SW	.3	.5	1.1	.8	.1							2.7	8.8
WSW	.3	.3	.6	.4								1.7	7.3
W		.2	.1									.3	5.0
WNW	.2	.1										.6	2.3
NW	.1	.1										.2	3.0
NNW													
VARBL													
CALM												50.4	
	13.0	13.5	14.9	5.5	.1							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 933

DATA PROCESSING DIVISION
ETAC/USAF
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

40,61-70
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.0	.2									1.7	4.8
NNE	1.1	.6	1.0	.2								2.9	5.5
NE	1.8	1.3	.4	.5								4.3	5.1
ENE	.8	.9	.2	.1								1.9	4.3
E	.0	.5										1.2	3.0
ESE	.4	.6										1.2	3.2
SE	.0	.9	.2									1.7	4.3
SSE	1.7	1.7	.5	.2								4.2	4.4
S	4.5	3.7	4.4	2.1	.1							15.0	6.4
SSW	2.5	2.3	6.1	2.0	.5							16.9	7.6
SW	1.0	1.3	3.4	1.4	.1	.1						7.3	8.2
WSW	.1	.8	.9	.1								1.9	7.1
W	.3	.4	.1	.1								1.2	4.5
WNW	.3	.6	.1	.1								1.2	5.2
NW	1.0	.3										1.3	2.9
NNW	.4	.2										.6	2.7
VARBL													
CALM												36.0	
	17.8	20.3	17.6	7.5	.8	.1						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 933

DATA PROCESSING DIVISION
AFAC/USAF
AIR WEATHER SERVICE/MAF

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

40,61-70
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.0	1.1	.5								6.2	5.4
NNE	1.7	2.0	2.1	.1								6.0	5.7
NE	1.4	2.4	1.3	.5								5.4	5.9
ENE	.5	.9	.3									1.7	4.8
E	.8	.4										1.2	2.6
ESE	.3	.5										.9	4.0
SE	.3	.3	.3									1.0	5.2
SSE	.6	1.5	.3									2.9	4.6
S	1.0	2.7	4.5	2.9	.3							11.4	8.7
SSW	1.3	3.8	7.4	3.8	.2	.1						16.5	8.7
SW	1.3	3.2	4.2	2.4	.3							11.4	8.3
WSW	1.4	1.5	1.3	.6								4.6	6.5
W	.5	1.6	.9	.8								4.0	6.9
WNW	1.3	1.2	.3	.1								2.9	4.4
NW	1.3	1.5	.2									3.1	3.0
NNW	1.4	2.0	.3									3.9	4.1
VARBL													
CALM												17.4	
	16.5	28.9	24.6	11.7	.9	.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

932

DATA PROCESSING DIVISION
 LTAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201
 STATION

FORT LEWIS WASHINGTON/GRAY AAF
 STATION NAME

40,61-70
 YEARS

FEB
 MONTH

ALL WEATHER
 CLASS

1500-1700
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.8	1.0									6.5	4.6
NNE	1.5	2.9	1.6	.5								6.5	5.7
NE	1.2	3.1	1.1	.3								5.7	5.6
ENE	.6	1.0	.2									1.8	4.1
E	.4	.3										.8	3.4
ESE	1.0	.6	.1									1.7	3.3
SE	.6	.3	.1									1.2	3.6
SSE	.8	.4	.5									1.7	4.8
S	1.5	2.1	4.5	1.6	.1							9.9	7.7
SSW	2.3	5.3	7.2	2.3	.2							17.4	7.4
SW	1.7	4.0	3.8	1.0								10.4	6.7
WSW	1.0	1.2	1.9	.6	.1							4.9	7.6
W	1.4	1.5	1.3	.5	.3							5.0	7.0
WNW	.6	1.7	.3									2.7	4.6
NW	1.1	1.4	.3									2.8	4.0
NNW	1.4	2.0	.1									3.5	3.6
VARBL													
CALM												17.5	
	19.0	31.8	24.0	7.0	.6							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 933

DATA PROCESSING DIVISION
 FTAC/USAF
 AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201 STATION FORT LEWIS WASHINGTON/GRAY AAF 40,61-70 YEARS FEB MONTH 1800-2000 HOURS (LST.)
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.3	.1									1.1	3.4
NNE	.4	1.2	.9									2.9	4.9
NE	1.7	.5	.3									2.9	3.9
ENE	1.1	.8	.2									2.9	3.6
E	.0	.1										.8	2.4
ESE	1.3	.5	.1									1.9	3.3
SE	1.8	.8	.2									1.9	4.1
SSE	1.6	2.1	.5									4.4	4.5
S	2.5	4.5	3.3	1.5	.3							12.1	6.6
SSW	1.8	6.1	5.9	1.4	.1	.1						15.4	7.0
SW	.2	2.1	2.1	.9	.2							5.6	8.1
WSW	.4	.9	.8	.5	.1	.1						2.8	8.6
W	.1	.4	.1	.1	.1							.9	7.5
WNW	.7											.7	3.0
NW	.1	.1										.2	3.0
NNW	.1											.1	1.0
VARBL													
CALM												45.1	
	13.7	20.4	14.6	4.5	.9	.2						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 733

1 DATA PROCESSING DIVISION
3 TAC/USAF
AIR WEATHER SERVICE TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201 STATION 24201 FORT LEWIS, WASHINGTON/GRAY AAF 40,61-70 YEARS FEB MONTH
STATION NAME CLASS ALL WEATHER HOURS (LST) 2100-2300
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1		.1									.2	5.0
NNE	.2	.6										.2	4.3
NE	.2	.7										1.0	3.7
ENE	.6	.4										1.0	3.0
E	.0	.3										.0	3.1
ESE	1.2	.3	.1									1.7	3.5
SE	.4	.0	.1									1.5	3.7
SSE	.8	2.8	.4									4.0	4.7
S	4.3	6.5	3.8	1.8	.2							16.6	4.0
SSW	1.9	6.1	6.5	2.4	.1							17.0	7.5
SW	.3	1.0	2.7	.7								4.6	3.0
WSW		.1	.6	.2								.9	10.0
W	.4											.4	2.3
WNW	.4	.2										.7	3.0
NW	.2											.2	2.0
NNW													
VARBL													
CALM												46.5	
	12.3	19.6	14.3	5.1	.3							106.0	3.2

TOTAL NUMBER OF OBSERVATIONS 504

3

ATA PROCESSING DIVISION
- TAC/USAF
AIR WEATHER SERVICE TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24201
STATION

F D T LEWIS WASHINGTON/GRAY AAF
STATION NAME

40,61-69
YEARS

AR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.3	.3										.6	4.0
NE	.3	.2										.5	3.2
ENE	.4		.1									.5	3.6
E	.6	.1	.2									1.1	3.9
ESE	1.0	.2	.1									1.3	3.3
SE	1.4	.9	.3	.1								2.7	4.2
SSE	1.8	1.8	.3	.2								4.2	4.4
S	4.0	5.5	2.8	1.1	.4							13.8	6.0
SSW	2.0	6.5	8.0	1.1								17.7	7.0
SW	.3	1.1	.5	.1	.1							2.2	6.7
WSW	.3	.5	.4									1.3	5.7
W	.6	.2	.2									1.1	3.9
WNW													
NW	.1											.1	3.0
NNW		.2										.2	4.0
VARBL													
CALM												52.9	
	13.5	17.5	13.0	2.0	.5							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

729

USAFETAC

FORM
JUL 64

085 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 AFAC/USAF
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24201 FORT LEVIE WASHINGTON/GRAY AAF YEARS 40201-69
 CLASS ALL WEATHER MONTH AR 0300-0500
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1											.1	2.0
NNE	.3	.2										.5	2.8
NE	.5	.3	.1									1.0	4.0
ENE	.8	.1										.8	2.4
E	.6		.1									.5	2.9
ESE	.5	.4										1.0	2.7
SE	1.2	.9	.1									2.2	3.6
SSE	2.8	2.0	.5									5.4	4.1
S	4.4	6.2	3.3	.6	.2	.1						14.9	5.8
SSW	2.2	5.4	5.9	.8	.2	.1						14.5	6.8
SW	.2	.8	1.1	.2								2.6	6.9
WSW	.1	.1	.5									.3	7.6
W	.6	.2	.2	.2								1.3	5.2
WNW	.1	.3										.4	4.0
NW	.2											.2	1.5
NNW	.2											.2	2.0
VARBL													
CALM												53.3	
	15.3	17.0	11.9	1.8	.4	.2						100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 93

ATA PROCESSING DIVISION
TAC/USAF
AF EARTH SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4201 STATION NAME FORT LEWIS WASHINGTON/GRAY AAF YEARS 60, 61-70 YEAR AR MONTH 0000-0800
CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.1										.3	3.3
NNE	.4	.4	.1									.7	4.0
N E	.4	.5	.1									1.4	3.6
ENE	.5	.1										.6	2.5
E	.7	.2										.9	2.2
ESE	.8	.1	.1									1.0	2.6
SE	2.0	.7										2.6	2.9
SSE	2.5	1.4	1.1	.1	.1							5.7	4.5
S	6.6	6.1	3.9	1.6	.4							18.6	5.7
SSW	2.4	5.2	5.2	.6	.1							17.5	6.5
SW	.1	.5	.7	.3	.1							1.7	3.5
WSW	.3	.1	.6	.3								1.3	7.8
W	.7	.3	.1									1.1	3.4
WNW	.1		.1									.2	5.0
NW	.3		.1									.4	3.0
NNW	.1											.1	2.0
VARBL													
CALM												50.0	
	10.2	16.0	12.0	2.8	.7							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 1029

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74201
STATION

FLEET LINDS WASHINGTON/GRAY AAF
STATION NAME

40,61-70
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.2	.5									3.3	4.8
NNE	1.0	1.5	1.5	.4								5.1	5.7
NE	1.1	3.0	1.3	.1								5.5	5.3
ENE	.4	.6	.2									1.7	4.0
E	.4	.5										.9	3.7
ESE	1.1	.1										1.1	2.8
SE	.4	.4	.5									1.9	4.7
SSE	1.2	1.6	.5	.1								3.3	4.5
S	2.5	3.6	5.6	3.5	.7							15.9	8.3
SSW	2.3	5.5	7.7	2.9	.2							18.6	7.6
SW	1.6	1.9	3.0	.6	.1							7.4	6.5
WSW	.5	.8	1.6	.4								3.0	7.5
W	1.1	1.3	.7	.4	.1							3.5	5.9
WNW	1.0	.6										1.6	3.1
NW	.5	.5										1.0	3.2
NNW	.9	1.0										1.9	3.5
VARBL													
CALM												24.6	
	18.3	24.7	23.0	6.4	1.1							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 1027

ATA PROCESSING DIVISION
AFAC/USAF
AIR WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 STATION NAME FORT LEWIS WASHINGTON/GRAY AFB YEARS 2001-70
CLASS ALL WEATHER MONTH 1200-1400
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	4.1	1.8	.4								7.8	5.6
NNE	1.7	2.9	3.2	1.1								8.9	6.6
NE	.9	2.0	1.4	.3								5.2	5.9
ENE	.6	.6	.8									2.0	5.3
E	.7	.1										.3	2.6
ESE	.4	.2	.1									.7	4.3
SE	.8	.3	.5									1.6	5.0
SSE	.1	.8	.7	.7								2.2	8.3
S	.7	1.5	4.2	2.6	.9							9.9	9.9
SSW	.5	3.8	7.9	4.9	.5							17.6	9.3
SW	.7	3.2	4.1	1.4	.5							9.9	8.2
WSW	.7	1.0	2.8	1.3								6.5	8.0
W	.7	1.2	1.7	.4	.3							4.2	8.0
WNW	1.9	1.7	.7									4.2	4.4
NW	1.0	2.9	.4									4.3	4.3
NNW	2.2	2.4	1.2									5.8	4.5
VARBL													
CALM												11.5	
	14.9	30.1	31.4	13.0	2.2							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING DIVISION
AFAC/USAF
AIR WEATHER SERVICE/AAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

40,61-70
YEARS

ΔR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	4.5	2.6	.5								10.2	5.7
NNE	.9	5.8	4.6	.3								11.5	6.4
NE	.3	2.2	1.8	.3								4.5	5.7
ENE	.2	.5	.4	.2								1.3	6.8
E	.2	.2										.4	3.0
ESE	.4	.4	.2									1.0	5.0
SE	.1	.6	.5									1.2	6.1
SSE	.5	1.3	.8	.1								2.4	6.4
S	.8	3.0	4.3	1.6	.3							10.0	8.2
SSW	.5	2.8	6.0	2.5	.1							11.0	8.8
SW	1.2	2.7	4.6	1.5	.3							10.3	8.0
WSW	1.3	1.8	2.2	.9		.1						6.2	7.4
W	1.1	1.4	4.3	.3	.2							7.2	7.5
WNW	1.1	2.1	.8									3.9	4.9
NW	1.2	2.6	.5	.1								4.4	4.8
NNW	.7	3.0	.9									4.6	5.0
VARBL													
CALM												9.1	
	12.6	34.8	34.3	8.2	.9	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING DIVISION
 AFAC/USA
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201
 STATION

FORT LEWIS WASHINGTON/CRAY AAF
 STATION NAME

40,61-70
 YEARS

JAN
 MONTH

ALL WEATHER
 CLASS

1800-2000
 HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.1	.8	.1								3.1	5.0
NNE	2.5	4.2	1.5	.3								8.5	5.2
NE	.7	2.5	.7	.1								4.0	5.1
ENE	.5	.5										1.0	3.7
E	1.3	.1										1.4	2.6
ESE	1.2	.4	.1									1.7	3.1
SE	1.5	.4	.2	.1								2.3	3.9
SSE	1.7	1.1	1.1	.2	.1							4.1	5.4
S	2.2	4.3	3.6	1.3								11.5	6.6
SSW	2.2	5.5	4.7	.8	.1							13.2	6.5
SW	1.2	2.6	3.2	.9	.1							8.0	7.3
WSW	.1	1.3	.6	.4								2.3	7.1
W	.7	1.6	.8	.5								3.5	6.2
WNW	.6	.4	.1	.1								1.2	4.3
NW	.7	.4	.1									1.2	3.6
NNW	.9	.4										1.3	2.8
VARBL													
CALM												31.7	
	18.7	27.1	17.6	4.7	.3							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING DIVISION
 DTIC/USAF
 AIR WEATHER SERVICE/NAF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 STATION NAME FORT LEWIS WASHINGTON/GRAY AAF YEARS 40,61-70
 CLASS ALL WEATHER MONTH 7100-2300
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2	.2									.9	4.3
NNE	.5	.8	.5									1.8	5.4
NE	.2	.7	.3									1.2	5.4
ENE	.4	.7										1.1	2.3
E	.6	.1	.1									.8	3.3
ESE	1.2											1.2	1.7
SE	1.7	.5	.6	.2								3.0	4.4
SSE	2.0	1.2	.6									3.8	2.9
S	4.1	5.8	3.0	1.9								14.9	5.9
SSW	2.0	5.9	5.7	1.2	.2	.1						15.8	6.9
SW	.0	1.8	1.3	.4								4.1	6.5
WSW	.3	.4	.6	.2								1.5	6.7
W	.6	.6	.3	.1								1.6	5.6
WNW	.3	.4	.2									.9	4.8
NW	.3	.1										.4	2.5
NNW		.1										.1	4.0
VARBL													
CALM												46.8	
	10.4	19.0	13.5	4.0	.2	.1						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 992

DATA PROCESSING DIVISION
AFAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

19-40, 61-69
YEARS

APR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3											.3	2.3
NNE	.3	.3										.6	3.0
NE	.3	.3										.6	3.2
ENE	.2											.2	2.5
E	.3	.7										.5	3.7
ESE	.7	.3										1.0	2.4
SE	1.0	.6										1.5	2.9
SSE	3.2	1.4	.1									4.5	3.0
S	0.1	0.0	2.0	.7	.3							16.6	4.8
SSW	2.3	0.1	5.5	.6	.1							16.6	6.1
SW	1.0	1.6	2.6	.4								5.7	7.1
WSW	.6	.7	.5	.4								2.2	6.4
W	.2	.1	.1									.5	4.2
WNW	.7	.3										1.0	2.7
NW	.8	.3										1.1	2.2
NNW	.2	.2										.4	3.2
VARBL													
CALM												44.2	
	10.4	22.4	10.8	1.6	.4							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

219

DATA PROCESSING DIVISION
AFAC/USAF
AFIP WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201
STATION

FLEET LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,61-70
YEARS

APR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1											.1	3.0
NNE	.1											.1	2.0
NE		.1										.1	3.0
ENE	.4	.4										.8	2.9
E	.3											.3	2.3
ESE	1.3	.3	.1									1.9	2.9
SE	1.7	.4										2.1	2.6
SSE	2.4	1.6	.3									4.3	3.6
S	6.2	7.8	3.4	.6	.1							18.2	4.9
SSW	2.8	9.2	4.9	.5								17.8	5.7
SW	1.4	1.7	1.6	.4								5.1	5.9
WSW	.6	.6	.3	.1								1.8	5.4
W	.0	.7	.2									1.5	4.3
WNW	.1	.1	.1									.3	5.0
NW	.4											.4	1.8
NNW													
VARBL													
CALM												45.1	
	18.3	23.4	11.0	1.9	.1							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

995

DATA PROCESSING DIVISION
 AFAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

24201
 STATION

FORT LEWIS WASHINGTON/GRAY AAF
 STATION NAME

39-40, 61-70
 YEARS

APR
 MONTH

ALL WEATHER
 CLASS

0600-0800
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.0	.2									.8	5.1
NNE	.5	.0										1.0	3.4
NE	.3	.0	.3		.1							1.3	5.7
ENE	.0	.2										.7	2.9
E	.0	.1										.7	2.1
ESE	1.1	.2										1.3	2.4
SE	1.0	.5	.3									2.3	3.3
SSE	2.2	1.7	.7									4.6	4.0
S	4.6	6.9	5.3	.8								17.6	5.5
SSW	2.5	9.1	7.3	1.1	.1							20.1	6.5
SW	1.0	2.1	2.3	.4								6.4	5.9
WSW	1.4	1.0	.9	.2								3.5	5.2
W	.5	.9	.1									1.5	3.8
WNW	.7	.2										.9	2.5
NW	.0	.3										.9	2.8
NNW	.4											.2	2.0
VARBL													
CALM												35.7	
	19.4	24.8	17.4	2.5	.2							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 1050

DATA PROCESSING DIVISION
AFAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24201 STATION NAME FORT LEWIS WASHINGTON/GRAY AAF YEARS 39-40, 61-70 MONTH APR
CLASS ALL WEATHER HOURS (LST) 0900-1100

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.5	.8	.1								3.5	5.1
NNE	1.2	2.2	1.2	.7								5.4	6.4
NE	.9	1.3	1.8	.4								4.4	5.6
ENE	1.0	.2	.1	.1								1.4	3.9
E	.6	.7										1.4	3.4
ESE	.5	.3										.7	3.4
SE	.5	.6	.1									1.2	1.1
SSE	.9	.6	.3	.1								1.9	.5
S	1.4	1.7	4.2	2.7								9.9	.3
SSW	4.4	5.5	10.0	3.1	.1							21.0	7.6
SW	1.7	3.7	5.2	1.7								12.2	7.3
WSW	.7	2.4	2.7	1.0								6.9	7.1
W	1.7	1.9	1.5	.3	.1							5.4	5.6
WNW	1.1	1.7	.6	.1								3.5	4.8
NW	1.9	1.2	.6									3.7	3.9
NNW	1.0	1.7	.1									3.3	3.8
VARBL													
CALM												14.7	
	19.3	27.1	29.1	10.2	.2							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1080

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAG

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201 STATION FORT LEWIS WASHINGTON/GRAY AAF STATION NAME 39-40,61-70 YEARS APR MONTH 1200-1400 HOURS (L S T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.4	1.9	.6								7.4	6.0
NNE	1.1	1.6	2.6	.4								5.6	6.7
NE	.4	1.1	1.6	.3								3.3	7.2
ENE	.2	.6	.4									1.2	5.8
E	.5	.3	.1									1.0	4.0
ESE	.4	.3										.6	3.1
SE	.3	.4	.1									.9	3.9
SSE	.6	.4	.8									1.7	5.7
S	.4	.4	2.0	2.1	.4							6.7	9.6
SSW	.6	3.0	7.1	3.0	.1							13.8	8.7
SW	1.7	3.2	5.9	2.4	.1							13.3	7.7
WSW	.8	2.5	4.6	2.0	.1							16.1	6.1
W	1.0	2.5	2.8	2.1	.3							8.7	8.4
WNW	.8	3.7	2.0	.1	.1							6.8	5.8
NW	1.4	2.5	1.4	.2								5.5	5.3
NNW	.8	2.8	1.2									4.5	8.5
VAREL													
CALM												8.3	
	12.5	29.4	35.5	13.2	1.0							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 1040

DATA PROCESSING DIVISION
AFAC/USAF
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40, 61-70
YEARS

APR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.9	2.0	.5								7.3	5.9
NNE	.0	2.9	2.3	.6								6.0	6.9
NE	.3	2.3	1.5	.4								4.4	6.5
ENE	.3	.7		.1								1.1	5.3
E	.4	.3										1.0	3.9
ESE	.4	.4										.7	3.6
SE	.2	.5	.3									.3	5.3
SSE	.3	.7	.0									1.6	6.2
S	.4	1.2	2.5	.9								5.6	7.4
SSW	.7	3.1	6.5	1.9	.1							12.3	8.4
SW	.4	2.8	4.9	2.7	.1							10.8	8.8
WSW	.9	1.7	4.5	2.6	.2							9.9	9.1
W	.7	2.9	5.0	2.9	.4							11.9	8.6
WNW	.9	2.4	3.2	1.3	.2							8.1	7.6
NW	.8	2.9	2.0	.3								6.0	6.0
NNW	1.0	2.7	1.2	.1								5.0	5.3
VARBL													
CALM												6.6	
	9.7	31.7	37.0	14.1	.9							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 1000

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 STATION NAME FORT LEWIS WASHINGTON/GRAY AAF YEARS 39-40, 61-70 MONTH APR
CLASS ALL WEATHER
CONDITION

1800-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.1	.5									4.3	4.4
NNE	1.5	2.0	1.0	.3								4.3	5.4
NE	1.4	1.5	.6	.1								3.5	4.6
ENE	1.1	.5										1.2	3.5
E	1.0	.3	.1									1.0	2.6
ESE	1.0	.4										1.4	2.8
SE	.5	.4	.4									1.6	4.5
SSE	1.0	1.0	.3	.1								2.4	4.6
S	1.8	2.6	2.1	.5	.2							7.1	5.2
SSW	.9	4.4	5.2	1.2								11.7	7.2
SW	1.6	3.7	4.4	1.1	.1							10.0	7.0
WSW	.9	2.5	2.5	.6								6.4	7.0
W	1.9	3.1	4.6	1.6	.1							11.3	7.3
WNW	.4	3.5	1.6	.8								6.3	5.5
NW	1.1	1.9	.6									3.6	4.7
NNW	.5	1.2	.3									2.1	4.2
VARBL													
CALM												17.1	
	19.1	31.0	24.2	0.3	.4							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 1040

DATA PROCESSING DIVISION
TAC/USA
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201 STATION FIFT LEWIS WASHINGTON/GRAY AAF 39 40,61-70 ADV MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.5	.2									1.1	4.2
NNE	.5	.5	.2									1.2	3.9
NE	.4	.8	.2									1.4	4.7
ENE	.6		.1									.7	2.4
E	.0	.3										.5	3.0
ESE	1.1	.3										1.3	2.5
SE	1.0	.4										1.3	2.9
SSE	2.4	1.0	.2									3.5	3.3
S	5.8	6.4	2.1	.2	.2							14.7	4.6
SSW	1.8	9.2	5.9	.1								17.8	6.3
SW	1.4	2.7	2.2	.4								5.7	6.2
WSW	.7	1.1	.8	.4								3.0	6.6
W	1.1	2.3	.7	.1								4.1	5.1
WNW	.7	1.0	.5	.1								2.2	5.3
NW	.5	.8										1.2	3.5
NNW	.6	.1										.7	3.0
VARBL													
CALM												38.2	
	19.4	27.2	13.0	2.0	.2							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 1045

DATA PROCESSING DIVISION
AFAC/USAF
AIR WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 STATION NAME FORT LINCOLN WASHINGTON/GRAY AAF YEARS 77-80, 61-69 MONTH ANY
CLASS ALL WEATHER HOURS (LST) 0000-0200
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.1										.7	2.6
NNE	.1	.2										.3	4.3
NE	.0	.4	.1									1.1	3.4
ENE	.2											.2	2.5
E	.3	.1										.4	3.3
ESE	.3	.3										.6	3.3
SE	1.2	.1										1.3	1.9
SSE	2.5	1.3										3.9	3.1
S	7.7	5.8	.9									14.4	3.6
SSW	2.7	6.5	4.4	.1								13.7	5.7
SW	2.0	2.4	1.3	.3								6.6	5.0
WSW	1.0	.8	.6	.2								3.2	4.6
W	1.2	1.0	.1	.1								2.7	3.7
WNW	.7	.7										1.4	3.4
NW	.4	.1										.5	2.2
NNW		.1										.1	4.0
VARBL													
CALM												48.8	
	22.6	20.5	7.4	.7								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 9116

DATA PROCESSING DIVISION
 TAC/USAF
 AIR FORCE SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 EAST LINDS WASHINGTON/GRAY AAF STATION NAME 39-40,61-70 MONTH MAY
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1											.1	2.0
NNE	.3											.3	2.3
NE	.5											.5	2.7
ENE	.5	.3										.8	2.8
E	.1											.1	2.0
ESE	1.0											1.0	2.1
SE	1.1											1.1	1.9
SSE	2.2	1.8										4.1	3.7
S	7.3	5.7	1.4									14.4	3.8
SSW	2.7	8.0	3.7	.2								14.6	5.5
SW	1.3	2.2	1.6	.2								5.2	4.6
WSW	1.4	1.0	.4	.1								2.9	4.6
W	.4	.5										.9	3.6
WNW	.3	.3										.6	3.7
NW	.5	.1										.6	2.7
NNW	.2		.1									.3	4.0
VARBL													
CALM												57.8	
	19.7	19.9	7.1	.5								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 1042

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24251 FIFT LEWIS WASHINGTON/GRAY AAF 39-40,61-70 MAY
STATION NAME CLASS MONTH
ALL WEATHER
CONDITION
0600-0800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.8	.1									1.6	3.9
NNE	.0	1.1	1.3									2.4	5.5
NE	1.4	.9	.5									2.8	4.4
ENE	1.3	.7	.3									2.3	4.0
E	.4		.1									.5	2.5
ESE	.7	.1										.8	2.1
SE	.4	.1										.5	2.3
SSE	2.0	.8	.2									3.0	3.2
S	3.4	4.4	3.4	.4								11.6	5.4
SSW	2.9	8.9	4.5	.6								16.9	5.8
SW	2.7	3.4	3.2	.4								9.6	5.7
WSW	2.2	.9	1.7	.2								4.9	5.2
W	1.3	1.9	.3									3.5	3.9
WNW	.5	1.2										1.7	3.9
NW	1.5	.4										1.9	2.5
NNW	1.0											1.0	1.9
VARBL													
CALM												34.1	
	23.3	25.5	15.5	1.6								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 1115

DATA PROCESSING DIVISION
AFAC/USAF
AIR WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24261 STATION NAME FORT LEWIS WASHINGTON/GRAY AAF YEARS 39-40, 61-70 DAY MONTH 0900-1100 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	3.4	2.1	.1								7.3	5.4
NNE	1.4	3.5	3.1	.6								9.2	6.7
NE	1.2	1.5	1.8	.4								5.6	6.1
ENE	.1	.6	.4	.1								1.4	6.3
E	.2	.3										.4	3.8
ESE	.4	.1										.5	2.2
SE	.1											.1	2.0
SSE	.3	.4	.2									.5	4.3
S	.7	1.5	1.9	.5								4.7	6.8
SSW	1.2	6.1	6.2	1.6								15.7	7.6
SW	1.6	3.6	4.4	1.4								11.7	6.9
WSW	1.4	3.3	2.4	1.3								8.5	6.3
W	2.4	2.1	1.6	.4								6.5	5.3
WNW	1.7	3.3	.8									5.8	4.6
NW	1.9	2.8	.6									7.3	4.4
NNW	1.4	2.5	.5									4.5	4.3
VARBL													
CALM												13.5	
	14.5	35.0	26.1	6.8								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PREP. DIVISION
AFAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201 FORT LEWIS WASHINGTON/GRAY AAF 39-40, 61-70 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	4.5	4.8	.2								10.0	6.3
NNE	.0	3.4	3.0	.3								7.4	6.6
NE	.7	1.1	2.4	.1								4.3	6.7
ENE	.3	1.0	1.3	.4								2.9	6.9
E	.1	.1										.2	3.5
ESE	.7	.3										.4	3.3
SE	.3		.2									.4	4.2
SSE	.3	.4		.1								.7	4.5
S	.9	1.0	2.3	.4	.1							4.7	7.1
SSW	1.0	3.1	3.9	1.3	.2							9.6	7.7
SW	1.3	3.2	3.3	2.0								9.8	7.5
WSW	.9	2.0	3.5	1.0	.2							7.5	7.6
W	2.2	3.4	3.2	1.2	.2							10.2	6.9
WNW	.8	3.3	2.7	.6								7.4	6.5
NW	1.5	3.8	2.9	.4								8.5	6.0
NNW	1.3	3.4	3.1	.1								8.0	5.9
VARBL													
CALM												7.7	
	13.8	33.9	30.6	7.9	.6							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
 FTAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 STATION NAME FORT LEWIS WASHINGTON/GRAY AAF YEARS 39-40,61-70 DAY MONTH 1500-1700
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	4.7	3.2	.2								9.2	6.0
NNE	1.2	3.7	4.1	.6								9.6	6.7
NE	.5	2.2	3.0	.4								6.1	6.9
ENE	.5	1.1	.9									2.5	5.7
E	.5	.1										.4	3.3
ESE	.4	.2										.4	2.9
SE	.1	.5										.4	3.9
SSE	.2	.4	.2	.1								.9	6.3
S	.5	.8	.7	.2								2.2	3.9
SSW	.6	2.1	3.1	.5								6.5	7.1
SW	.3	3.1	4.4	2.1								9.5	8.5
WSW	.5	1.6	3.7	1.3	.3							7.4	8.8
W	1.1	3.1	3.3	2.2	.2							11.9	8.1
WNW	1.5	4.8	4.5	.9								11.5	6.8
NW	1.1	3.9	3.2	.1								8.3	6.1
NNW	.5	3.3	2.2	.1								6.2	6.1
VARBL													
CALM												6.1	
	10.4	35.8	38.6	8.7	.4							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1110

DATA PROCESSING DIVISION
 STAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 FORT LEWIS WASHINGTON/GRAY AAF STATION NAME 39-40,61-70 YEARS DAY MONTH 1800-2000 HOURS (L.S.T.)
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.0	.8									5.8	4.9
NNE	2.7	4.6	3.0	.1								10.3	5.3
NE	1.4	3.0	1.7	.2								6.4	5.6
ENE	1.3	1.1	.4	.1								2.9	4.1
E	.4	.3										.7	2.9
ESE	.4	.4										.7	3.1
SE	.3	.4										.6	3.2
SSE	1.1	.7	.2									2.7	3.4
S	.9	1.7	.4	.1								3.2	4.9
SSW	1.3	3.7	2.7	.3								8.0	6.0
SW	1.4	2.8	3.8	.4								8.4	6.5
WSW	1.4	2.8	3.0	.4								7.6	6.4
W	.9	4.2	5.6	1.3								12.0	7.4
WNW	.6	6.2	4.4	.8								12.0	6.5
NW	.5	3.1	1.6	.1								5.4	5.7
NNW	.9	1.7	.4									3.0	4.5
VARBL													
CALM												11.2	
	16.7	40.6	27.7	3.9								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24201 FORT LEWIS WASHINGTON/GRAY AAF 39-40,61-70
STATION NAME YEARS
CLASS ALL WEATHER
CONDITION
DAY MONTH
2100-2300
HOURS (L & T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.5	.1									1.3	3.7
NNE	.7	2.1	.1									2.9	4.2
NE	.5	1.7	.3									2.4	4.7
ENE	.0		.1									.7	2.4
E	1.1											1.1	1.9
ESE	.8	.1										.9	2.1
SE	.4	.1										.5	2.8
SSE	1.0	.3										1.9	2.4
S	3.1	4.0	1.0	.2								8.3	4.2
SSW	2.2	8.1	4.0	.2								14.5	5.8
SW	1.9	3.4	1.7	.1								7.1	5.2
WSW	1.5	1.9	.7									4.0	4.6
W	1.0	4.1	.9	.1								6.7	4.5
WNW	2.0	3.7	1.1									6.8	4.5
NW	1.3	1.4	.1									2.7	3.7
NNW	.5	.3										.8	2.5
VARBL													
CALM												37.5	
	20.5	31.5	9.8	.6								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 1027

DATA PROCESSING DIVISION
 AFAC/USAF
 AIR SEATTLE W. VICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201
 STATION

FORT LEWIS WASHINGTON/GRAY AAF
 STATION NAME

79-40,60-68
 YEARS

JUN
 MONTH

ALL WEATHER
 CLASS

0000-0200
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3											.3	1.7
NNE	.1											.1	3.0
NE	.7	.3										1.0	3.3
ENE	.2	.1										.3	2.7
E	.3	.1										.4	3.0
ESE	.7	.1										.3	2.1
SE	.7	.3										1.0	2.9
SSE	2.0	1.8	.1									4.0	3.1
S	5.6	5.1	.9	.1								11.6	3.8
SSW	3.7	8.3	3.8	.3								16.2	5.2
SW	2.0	2.0	1.4									5.5	4.8
WSW	.6	.4	.2									1.4	4.1
W	3.2	1.5	.2									5.0	3.2
WNW	1.2	1.3	.1	.1								2.7	4.2
NW	.9	.4										1.3	3.0
NNW	.1	.1										.2	3.0
VARBL													
CALM												47.4	
	23.5	21.8	6.8	.5								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

989

1 DATA PROCESSING DIVISION
3 FTAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,60-70
TS

JUN
MONTH

ALL WEATHER
CLASS

0500-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.2										.2	2.0
NNE	.2	.1										.1	2.0
NE	.2		.1									.3	4.0
ENE	.1	.1										.2	3.5
E	.1											.1	1.0
ESE	.0											.0	1.7
SE	.0	.7										.4	3.3
SSE	3.2	1.6	.1									.0	3.2
S	0.1	5.1	.7									13.0	3.4
SSW	3.0	7.1	4.6	.2								15.7	5.5
SW	2.0	2.9	.9	.1								5.0	4.9
WSW	.1	1.2	.3									2.3	4.5
W	1.1	1.4	.1	.1								2.0	4.2
WNW	.9	.0	.1									1.0	3.6
NW	.7	.3										1.0	3.1
NNW	.3	.1										.4	2.5
VARBL													
CALM												48.1	
	23.3	21.4	0.8	.4								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

1050

DATA PROCESSING DIVISION
AFAC/USAF
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,60-70
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.6	.3	.1								2.7	3.9
NNE	1.1	1.6	.8	.2								3.7	5.0
NE	2.1	.9	.2									3.1	3.5
ENE	.6	.5										.9	3.8
E	.5		.1									.6	2.3
ESE	.3	.1										.3	2.8
SE	.7	.1										.8	2.1
SSE	1.1	1.0	.1									2.2	3.3
S	3.2	3.8	1.5									8.5	4.3
SSW	4.0	8.9	5.8	.3								19.0	5.6
SW	2.6	5.3	2.9	.3								10.7	5.5
WSW	1.5	1.1	1.9	.2								4.6	5.6
W	2.9	2.5	.3									5.7	3.6
WNW	1.3	1.4	.1									2.7	3.7
NW	1.4	.9	.2									2.3	3.5
NNW	1.2	.5										1.7	3.0
VARBL													
CALM												30.2	
	25.7	29.0	14.2	.9								109.0	3.3

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,00-70
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	5.0	2.8	.1								9.7	5.5
NNE	1.8	2.9	2.9	.4								8.0	6.2
NE	.7	1.2	1.0	.1								3.6	6.0
NNE	.3	.2	.3									.7	5.5
E	.1											.1	1.0
ESE	.2	.3	.1									.5	4.3
SE	.3	.3										.7	3.5
SSE	.7	.5	.1									1.3	3.7
S	1.3	2.5	1.4	.2								5.3	5.6
SSW	2.3	6.0	4.2	.5								13.0	6.1
SW	1.7	4.5	5.1	.6								12.0	6.5
WSW	1.3	3.8	3.7	.3								9.1	6.3
W	1.9	2.8	1.6	.1								6.4	5.3
WNW	2.2	2.6	.9	.3								6.3	4.8
NW	2.0	2.5	.6	.1								5.7	4.1
NNW	1.5	2.0	.9									5.0	4.8
VARBL													
CALM												12.6	
	20.8	37.6	26.2	2.7								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 1170

ATA PROCESSING DIVISION
 ITAC/USAF
 AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

24201
 STATION

FORT LEWIS WASHINGTON/GRAY AAF
 STATION NAME

39-40,60-70
 YEARS

JUN
 MONTH

ALL WEATHER
 CLASS

1200-1400
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	0.3	2.4	.3								10.3	5.7
NNE	1.3	3.3	3.5	.3	.2							8.5	6.5
NE	.0	1.0	1.8	.2								4.4	6.5
ENE	.2	.7	.5	.1								1.4	6.6
E	.1	.3										.3	4.3
ESE	.1											.1	3.0
SE	.3	.2										.4	3.2
SSE	.3	.4	.1									.3	4.6
S	.5	1.0	.9	.2								2.6	6.3
SSW	1.3	4.2	5.0	.5								10.9	6.8
SW	1.2	3.6	4.5	1.0								10.3	7.0
WSW	.8	1.6	3.3	.2								7.7	7.5
W	1.5	4.0	4.4	.8								10.6	6.8
WNW	1.2	4.4	3.1	.1								8.9	5.5
NW	1.7	4.1	2.5	.3								8.6	5.6
NNW	1.3	4.2	2.3	.3								8.0	5.9
VARBL													
CALM												6.0	
	13.5	40.0	36.2	4.2	.2							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,60-70
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	0.0	2.6									10.1	5.3
NNE	.9	5.0	4.2									10.1	6.3
NE	.1	2.6	2.1	.3								5.0	6.8
ENE	.0	.9	.3									1.7	4.4
E	.2	.3	.2									.6	5.1
ESE	.2	.3										.5	3.7
SE	.1	.5	.1									.7	5.1
SSE	.2	.3	.1									.5	4.5
S	.3	.8	1.0	.1								2.1	6.6
SSW	.9	2.3	3.4	.2								6.8	6.6
SW	.3	3.1	4.4	.8								8.5	7.6
WSW	.3	1.9	4.4	1.5								8.1	8.4
W	.7	4.0	4.8	1.8								11.3	7.8
WNW	.9	4.8	4.9	1.3								11.9	7.2
NW	1.4	3.9	3.5	.7								9.5	6.5
NNW	.9	3.3	3.0									7.2	6.1
VARBL													
CALM												5.4	
	9.3	39.9	38.8	6.6								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/ IAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24211
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40, 60-70
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.3	.9									7.8	4.3
NNE	2.9	7.0	2.3									12.2	4.9
NE	1.2	2.2	1.6	.1								5.1	5.5
ENE	.5	.9	.5	.1								2.1	5.1
E	.5	.5	.1									1.1	3.9
ESE	.3	.3										.6	3.9
SE	.1											.1	3.0
SSE	.2	.6	.1									.7	4.9
S	.5	.9	.9									2.4	5.3
SSW	.8	4.1	2.2	.1								7.2	5.9
SW	.9	3.2	4.9	.5								9.6	7.0
WSW	.7	2.3	3.4	.5								6.9	7.0
W	1.0	5.0	3.2	1.0								10.3	6.6
WNW	.7	4.7	7.1	.3								12.8	7.1
NW	1.2	3.2	2.8	.2								7.4	6.0
NNW	1.1	2.1	.9									4.1	5.0
VARBL													
CALM												9.7	
	15.0	41.4	31.1	2.6								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION
STAC/USAF
AFIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 PORT LEWIS WASHINGTON/GRAY AAF STATION NAME 39-40,60-70 YEARS MONTH JUN
CLASS ALL WEATHER HOURS (L & T.) 2100-2300
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.5										1.4	3.2
NNE	1.5	1.5	.2									3.1	3.6
NE	.5	.9	.3									1.9	4.2
ENE	.5											.3	2.0
E	.4											.4	2.0
ESE	.5											.3	2.3
SE	.4	.2										1.0	2.3
SSE	1.1	.8										1.9	3.3
S	3.1	2.5	.6									6.2	3.7
SSW	2.7	8.8	3.3	.2								15.0	5.5
SW	3.2	4.4	1.7									9.3	4.7
WSW	1.8	1.2	.2									3.2	3.6
W	2.0	3.4	1.0									7.1	4.4
WNW	3.1	5.0	1.4									9.4	4.7
NW	1.7	2.3	.3									4.3	3.9
NNW	.8	.6	.1									1.4	3.7
VARBL													
CALM												23.8	
	24.8	32.0	9.2	.2								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 1042

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,60-68
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.1										.3	1.3
NNE	.2											.2	2.5
NE	.3	.3										.6	3.0
ENE	.2											.2	2.0
E	.5	.1										.7	2.7
ESE	.2	.1										.3	3.3
SE	.5											.9	1.8
SSE	1.2	.4										1.6	2.8
S	5.8	3.3	.3									9.5	3.3
SSW	3.2	5.4	1.6									10.3	4.4
SW	3.1	2.4	.8	.1								6.4	4.1
WSW	1.2	1.3										2.5	3.5
W	4.1	1.4	.1									5.6	2.9
WNW	2.1	1.9										4.0	3.3
NW	1.6	.6										2.2	2.6
NNW	.6	.1										.7	2.4
VARC													
CALM												54.1	
	25.3	17.5	2.8	.1								106.0	1.6

TOTAL NUMBER OF OBSERVATIONS 994

DATA PROCESSING DIVISION
TAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 STATION NAME FORT LEWIS WASHINGTON/GRAY AAF YEARS 39-40, 60-70 MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1										.2	3.0
NNE	.2	.1										.3	3.0
NE	.1	.1										.2	3.0
ENE	.4	.1										.5	2.6
E	.3	.3										.6	2.2
ESE	.4											.4	2.0
SE	.7	.3										.9	2.9
SSE	2.2	.8										2.9	2.7
S	7.9	5.0	.3									13.2	3.2
SSW	3.0	5.8	1.7	.1								10.6	4.7
SW	2.0	3.1	.8									6.4	4.1
WSW	1.5	1.2	.2									2.9	3.7
W	3.4	1.5										4.9	2.8
WNW	1.3	.4	.1									1.8	3.2
NW	.3	.4	.1									.8	4.4
NNW	.2	.1										.3	2.7
VARBL													
CALM												53.2	
	24.4	19.2	3.1	.1								100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 1057

DATA PROCESSING DIVISION
STAC/USAF
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40, 60-70
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.0	.3									2.4	4.2
NNE	.8	.9	.6									2.4	4.6
NE	.9	.9	.4									2.3	4.2
ENE	.2	.3	.1	.1								.9	4.4
E	.3	.2										.4	2.8
ESE	.5											.5	1.8
SE	.3	.1	.1									.4	3.4
SSE	.6	.5										1.1	3.4
S	3.8	3.6	1.4									8.9	4.2
SSW	3.4	6.5	2.3									12.2	4.7
SW	2.9	5.9	2.3	.2								11.3	5.1
WSW	1.6	2.1	1.4									5.2	5.0
W	4.0	2.4	.3									6.6	3.2
WNW	2.3	1.1	.1									3.5	3.0
NW	1.6	1.1										2.7	3.2
NNW	1.1	.3										1.4	2.5
VARBL													
CALM												37.9	
	25.7	26.9	9.2	.3								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS

1181

DATA PROCESSING DIVISION
AFAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,60-70
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	6.3	2.5	.1								11.0	5.2
NNE	.4	3.2	2.5	.3								6.9	6.3
NE	.7	1.7	1.2	.3								3.9	6.3
ENE	.4	.5	.4	.1								1.4	5.5
E	.3		.1									.3	3.5
ESE	.2		.2									.3	4.5
SE	.2	.1										.3	2.7
SSE	.3	.2										.4	3.0
S	1.3	2.0	.9									4.2	4.9
SSW	1.5	6.0	3.7	.4								11.7	5.9
SW	1.5	5.0	3.2	.1								9.8	5.8
WSW	1.6	2.7	2.4	.4			.1					7.2	5.2
W	2.4	4.7	1.5	.1								8.6	4.9
WNW	3.2	4.1	.8									8.2	4.2
NW	2.7	3.5	.9									7.1	4.2
NNW	1.4	2.9	.7									5.0	4.5
VARBL													
CALM												13.7	
	20.6	42.9	21.0	1.8			.1					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

1182

DATA PROCESSING DIVISION
 AFAC/USAF
 AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201 STATION FORT LEWIS WASHINGTON/GRAY AAF 39-40, 60-70 YEARS JUL MONTH
 ALL WEATHER CLASS 1200-1400 HOURS (L S T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	8.0	4.2	.3								14.9	5.7
NNE	1.4	2.5	3.6	.3								7.8	6.4
NE	.1	1.9	1.2	.7								3.8	7.5
ENE	.1	.7	.3	.3								1.4	7.4
E	.3		.1									.3	4.0
ESE	.1	.1										.2	4.0
SE	.3	.1										.3	2.8
SSE		.2										.2	6.0
S	.0	1.2	1.4	.1								3.2	6.1
SSW	.6	4.1	2.5	.6								7.8	6.5
SW	.9	1.3	3.0	.5								5.8	7.0
WSW	.6	1.6	2.2	.4								4.8	7.0
W	2.0	4.6	3.0	.5								10.2	5.9
WNW	2.0	6.3	3.2	.3								11.8	5.6
NW	1.8	5.8	4.6	.3								12.4	5.9
NNW	1.3	4.2	2.4									7.9	5.6
VARBL													
CALM												7.4	
	14.3	42.5	31.7	4.1								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1182

DATA PROCESSING DIVISION
AFAL/USAF
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 STATION NAME FORT LEWIS WASHINGTON/GRAY AAF YEARS 39-40, 60-70 MONTH JUL
CLASS ALL WEATHER HOURS (LST) 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	0.0	3.9	.3								11.9	5.8
NNE	1.3	4.2	4.0	.8								10.3	6.7
NE	.4	2.0	1.7	.4								4.6	6.8
ENE	.1	.3	.4	.3								1.1	7.9
E	.2											.2	3.0
ESE	.3	.2										.4	3.4
SE		.2										.2	5.0
SSE	.3		.1									.4	3.2
S	.3	.8	.6									1.7	5.7
SSW	.8	2.2	1.6	.2								4.8	5.8
SW	.9	1.8	2.1	.9								5.8	7.2
WSW	.0	1.3	1.9	.8	.1							4.6	7.6
W	1.1	3.9	3.3	1.1	.1							9.5	6.9
WNW	1.3	7.7	6.7	.9								16.6	6.7
NW	1.5	5.9	6.4	.3								14.2	6.6
NNW	1.4	4.7	2.3	.2								8.6	5.5
VARBL													
CALM												5.2	
	12.3	41.1	35.0	6.2	.2							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 1179

SURFACE WINDS

24201	FURT LEAIS WASHINGTON/GRAY AAF	39-40,60-70	JUL
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER		1800-2000	
CLASS		HOURS (L S T.)	
CONDITION			

[illegible]

TOTAL NUMBER OF OBSERVATIONS 1179

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201 STATION FORT LEWIS WASHINGTON/GRAY AAF 39-40, 60-70 JUL
STATION NAME YEARS
ALL WEATHER CLASS 2100-2300
HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.2	.1									1.6	2.9
NNE	1.1	2.1	.4									3.6	4.3
NE	.6	.9										1.5	3.9
ENE	.5	.2	.1									.7	3.5
E	.5											.5	2.4
ESE	.1											.1	1.0
SE	.1											.1	3.0
SSE	.8	.2	.1									1.2	2.7
S	2.7	2.7	.6									5.9	3.8
SSW	1.0	3.4	1.5									6.5	4.9
SW	2.2	2.6	.6									5.3	4.4
WSW	2.2	2.4										4.5	3.5
W	4.8	4.3	.9									10.0	3.9
WNW	3.6	9.0	2.3									14.9	4.6
NW	3.6	2.9	.8									7.1	3.8
NNW	1.1	.6										1.7	3.1
VAPBL													
CALM												14.8	
	26.5	1.4	7.3									100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 1055

ATA PROFESSIONAL DIVISION
 (TAC/USAF)
 AIR WEATHER SERVICE/MAC

3

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201 F3-7 LEWIS WASHINGTON/GRAY AAF 39,60-68 AUG
 STATION STATION NAME YEARS MONTH
 ALL WEATHER
 CLASS
 0000-0200
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2										.2	4.5
NNE	.2	.2	.1									.6	4.4
NE	.1	.4										.5	4.5
ENE	.1	.1										.2	3.7
E	.1	.1	.1									.4	5.7
ESE													
SE	.7											.7	2.5
SSE	1.8	1.6										3.4	3.1
S	4.9	4.8	1.1									10.2	3.9
SSW	1.6	5.5	2.9	.2								10.3	5.7
SW	1.1	2.2	.9									4.2	4.8
WSW	.9	.7	.6	.1								2.3	5.2
W	2.3	.7										3.0	2.5
WNW	1.4	1.3										2.7	3.2
NW	.8	.1	.1									1.1	3.2
NNW		.1										.1	5.0
VARBL													
CALM												59.4	
	10.1	18.1	5.8	.4								100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 854

ATA PROCESSING DIVISION
TAC/USAF
AIR WEATHER SERVICE/HAF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24201 FORT LEAS WASHINGTON, D.C. 39,60-70 AUG
STA "H" STA "O" H M. YEARS MONTH
ALL WEATHER CLASS 0300-0500
CONDITION HOURS (L.S.T.)

SPEED (KNTS) Dir	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3											.3	2.7
NNE	.2	.3										.5	3.8
NE			.2									.2	7.5
NNE		.2	.1									.3	6.3
E	.2	.1										.4	2.0
ESE	.2											.2	1.5
SE	.4	.6										1.1	3.1
SSE	2.5	.7										3.3	2.8
S	7.0	5.0	1.3	.1								13.4	3.8
SSW	1.9	6.7	3.1	.1								11.8	5.5
SW	1.5	1.7	1.2	.1								4.5	5.1
WSW	1.3	1.2	.2									2.7	3.8
W	1.0	1.3										2.2	3.4
WNW	.4	.4	.1									1.0	3.8
NW	.6	.2										.8	3.5
NNW	.3	.1										.4	3.0
VARBL													
CALM												56.9	
	18.0	18.6	6.2	.3								100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 242

DATA PROCESSING DIVISION
 FIAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201 STATION FORT LEWIS WASHINGTON/GRAY AAF STATION NAME 39,60-70 YEARS MONTH AUG
 ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4										.7	3.6
NNE	1.1	1.0	.1	.2								2.3	4.2
NE	1.1	1.3	.4	.2								3.0	4.4
NNE	.4		.3									.7	4.4
E	.6	.1										.7	2.3
ESE	.4	.1										.6	2.2
SE	.9	.1										1.0	2.2
SSE	1.9	1.3	.4									3.7	3.8
S	5.2	4.7	2.1	.1								12.0	4.3
SSW	3.2	3.8	3.8	.2								13.0	5.4
SW	2.2	4.2	1.3	.3								8.0	5.0
WSW	1.7	2.2	.3	.1								4.2	4.2
W	1.2	1.2	.1									2.4	3.7
WNW	1.5	.9										2.4	3.0
NW	.6	.1	.1									.8	3.1
NNW	.4	.2										.5	3.2
VARBL													
CALM												43.9	
	22.7	23.6	8.9	1.0								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	5.3	1.3	.2								8.6	5.0
NNE	1.3	3.9	2.6	.7								8.5	6.4
NE	.9	1.0	1.9	.4								4.8	6.4
ENE	.4	.5	.4									1.1	5.1
E	.2	.2										.7	2.6
ESE	.4	.2										.5	2.7
SE	.4	.1										.4	2.8
SSE	.3	.4	.2									.9	4.9
S	1.0	2.7	1.9	.2								5.7	6.0
SSW	1.0	7.1	4.1	.4								13.3	6.1
SW	.9	4.3	4.0	.8								10.0	6.8
WSW	1.2	2.7	1.7	.2								5.7	5.8
W	2.3	3.3	1.1	.1								6.8	4.7
WNW	1.9	3.5	.4									5.7	4.2
NW	2.3	2.2	.6									5.2	4.1
NNW	1.2	1.9	.5	.1								4.0	4.6
VARBL													
CALM												17.6	
	18.8	39.9	20.6	3.1								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	8.4	3.1	.7								13.4	6.0
NNE	1.6	4.2	3.5	.9								10.2	6.6
NE	.7	1.3	1.6	.4	.1							4.3	6.9
ENE	.3	.4	.4	.3								1.3	7.3
E	.3	.3	.1	.1								.7	5.6
ESE	.1	.1										.2	3.5
SE		.3										.3	5.0
SSE	.3	.4	.1									.7	4.9
S	.4	1.3	2.0	.4								4.0	7.4
SSW	.4	3.4	3.9	1.3								9.1	7.6
SW	.9	3.0	3.1	.7								7.8	6.8
WSW	.4	2.2	1.5	.5								4.7	6.6
W	1.6	4.3	2.9	.6								9.4	6.1
WNW	1.4	5.8	3.1	.3								10.7	3.7
NW	1.3	4.9	3.0									5.2	5.5
NNW	1.3	3.9	2.2	.2								7.8	5.5
VARBL													
CALM												6.2	
	12.5	44.4	30.4	6.5	.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
ETAC/USA
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

20,60-70
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1500-1701
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	7.3	2.9	.1								12.7	6.0
NNE	1.2	5.0	4.2	.8	.1							11.7	6.8
NE	.7	2.2	2.9	.4	.2							6.5	7.2
ENE	.1	.5	.1	.3	.1							1.7	8.4
E	.1	.4										.5	3.7
ESE		.1	.1									.7	7.5
SE	.1											.1	1.0
SSE	.3	.5	.1									.9	4.4
S	.4	.6	.6	.3								2.0	6.5
SSW	.7	3.0	2.1	.6								6.5	6.6
SW	.3	2.4	3.0	.4								6.7	7.2
WSW	.4	1.5	1.9	.5								4.4	7.1
W	.7	2.9	3.4	.8								7.8	7.1
WNW	1.4	6.8	4.8	1.3								14.4	6.6
NW	1.4	5.6	5.2	.4								12.7	6.4
NNW	.9	3.5	2.1	.2								6.6	5.8
VARBL													
CALM												6.0	
	10.0	42.7	34.4	6.5	.4							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AG

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1600-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	3.6	1.2									9.2	4.6
NNE	2.9	9.1	3.2	.4								15.6	5.4
NE	1.3	2.9	1.1	.1								5.4	5.0
ENE	.3	.4	.4									1.1	5.2
E	.2											.7	2.0
ESE	.2	.2										.4	4.0
SE	.2		.1									.3	3.5
SSE	.5	.2	.2									.9	3.9
S	1.1	2.0	.6									3.7	4.7
SSW	1.0	2.0	1.3	.1								5.0	5.4
SW	.4	2.1	1.9	.2								4.6	6.4
WSW	.5	1.3	1.0	.4								3.2	6.2
W	1.4	3.4	4.7	.1								9.6	6.4
WNW	1.3	7.9	4.8	.6								14.7	6.3
NW	1.3	4.0	1.9	.1								7.3	5.3
NNW	1.2	1.9	.1									3.1	3.9
VARBL													
CALM												15.9	
	16.3	43.5	22.4	2.0								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
 TAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 STATION NAME FORT LEWIS WASHINGTON/GRAY AAF YEARS 39,60-70 MONTH AUG
 CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.6										1.6	3.0
NNE	1.7	1.9	.3									3.9	4.1
NE	.9	.7	.1									1.7	3.6
ENE	.5	.1										.6	2.7
E	.3	.4										.7	3.7
ESE	.5	.1										.6	3.0
SE	.0	.3										1.0	2.8
SSE	1.3	.6										1.9	3.0
S	2.2	2.4	1.2									5.8	4.5
SSW	1.0	5.2	2.2	.2								9.5	5.5
SW	2.0	2.3	.7									5.1	4.5
WSW	1.5	.9	.3									2.7	3.6
W	3.0	2.3	1.0									6.9	3.9
WNW	1.5	4.1	.5									6.2	4.5
NW	2.7	2.3	.2									5.2	3.5
NNW	.3	.2										.5	3.0
VARBL													
CALM												46.0	
	22.4	24.8	6.6	.2								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 941

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24201 STATION 24201 FORT LEWIS WASHINGTON/GRAY AAF 29,60-68 YEARS SEP MONTH
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3										.4	3.8
NNE	.4	.4	.1									1.0	4.1
NE	.4	.1										.6	2.8
ENE		.1										.1	5.0
E	.3											.3	2.7
ESE	.7	.2										.9	2.6
SE	1.0	.2	.1									1.9	2.4
SSE	1.0	1.0	.1									2.7	3.5
S	5.1	5.7	1.6	.4								12.8	4.4
SSW	1.7	4.2	3.1	.1								9.1	5.7
SW	.8	1.3	.7	.3								3.1	5.9
WSW	.4	.2	.1									.8	4.1
W	.1	.0	.2									.9	5.5
WNW	.6	.1										.7	2.5
NW		.1										.1	4.0
NNW	.1											.1	2.0
VARBL													
CALM												64.6	
	13.9	14.7	6.0	.9								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74201 STATION FORT LEWIS WASHINGTON/GRAY AAF STATION NAME 39,60-70 YEARS SEP MONTH 0300-0500 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1										.2	3.5
NNE	.0	.3	.2									1.1	4.0
NE	.2	.3	.1									.6	4.5
ENE	.2											.2	3.0
E	.5	.1										.6	2.7
ESE	1.2	.2										1.7	2.3
SE	1.4	.1										1.5	2.3
SSE	3.2	.9										4.2	2.9
S	7.2	6.2	1.7	.8								15.8	4.4
SSW	1.1	3.3	3.4	.1	.1							8.1	6.4
SW	.8	1.7	.4	.1								3.0	4.9
WSW	.3	.1	.1									.5	3.8
W	.4	.2	.1									.7	3.6
WNW	.2	.4										.6	3.5
NW	.1											.1	2.0
NNW	.3											.3	2.7
VARBL													
CALM												60.6	
	18.2	14.0	6.0	1.0	.1							100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 959

DATA PROCESSING DIVISION
 FTAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 STATION NAME FORT LEWIS WASHINGTON/GRAY AAF YEARS 39,60-70 SFP MONTH SEP
 CLASS ALL WEATHER HOURS (L & T.) 0600-0800
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.2	.1									.6	4.2
NNE	1.2	.9	.5									2.6	4.3
NE	.9	.7	.3									1.9	3.9
ENE	.5	.2	.1									.7	3.8
E	.9	.1										1.0	2.5
ESE	.8	.1										.9	2.3
SE	1.3	.5	.1									1.9	3.0
SSE	2.0	2.3	.1									4.3	3.5
S	5.4	5.7	2.2	.0								13.9	4.7
SSW	1.9	3.9	2.8	.3								8.9	5.9
SW	1.3	1.6	1.0	.1								4.0	4.9
WSW	.5	.4	.2									1.0	4.2
W	.5	.4										.8	2.9
WNW	.8	.3										1.1	2.6
NW	.9	.1										1.0	2.5
NNW	.2	.2										.4	3.0
VARBL													
CALM												54.7	
	19.5	17.4	7.3	1.0								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 1078

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,00-70
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	4.1	1.1	.2								6.9	5.3
NNE	1.1	5.2	3.3	.1								9.7	5.9
NE	1.0	2.5	2.0	.5								6.6	5.9
ENE	.0	1.0	.6		.1							2.4	5.8
E	.4	.3										.6	3.4
ESE	.1											.1	1.0
SE	.3	.2										.5	3.2
SSE	.8	.8	.5									2.1	4.3
S	1.2	3.7	3.4	.7								9.1	6.5
SSW	1.2	4.6	5.4	.8								12.0	6.9
SW	.8	3.1	2.5	.7								7.2	6.7
WSW	.0	2.2	1.4	.2	.1							4.7	6.3
W	1.9	1.8	.6	.2								4.5	4.3
WNW	1.8	1.3	.1									3.1	3.6
NW	1.4	1.0	.5									3.4	4.7
NNW	1.0	1.3										2.9	3.3
VARBL													
CALM												24.1	
	17.1	33.7	21.5	3.4	.2							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 1080

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

1960-70
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	7.2	4.1	.5								13.1	6.0
NNE	.7	4.8	5.4	.								11.7	6.9
NE	1.1	2.2	2.1	.4	.1		.1					6.0	6.8
ENE	.2	.4	.5	.5								1.5	7.7
E	.4											.4	1.3
ESE	.2	.3										.5	4.0
SE	.3	.6	.1									.9	4.3
SSE	.3	.5	.2	.1								1.0	5.9
S	.5	1.2	1.6	1.0								4.3	7.7
SSW	.5	2.7	6.2	1.7	.2							11.4	8.3
SW	.9	2.8	2.9	1.2								7.6	7.1
WSW	.7	1.9	1.4	.8								4.8	7.2
W	1.2	2.7	1.3	1.2	.1							6.5	6.9
WNW	1.5	4.4	2.2									8.1	5.4
NW	2.2	3.3	.7									6.3	4.4
NNW	1.0	3.9	1.1									6.6	4.7
VARBL													
CALM												9.2	
	13.7	38.8	29.7	8.1	.4		.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 1050

DATA PROCESSING DIVISION
ETAC/USAF
WIND WEAT FOR SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24261 STATION NAME FOOT LEWIS WASHINGTON/CRAY AAF YEARS 39,60-70 MONTH SEP
CLASS ALL WEATHER HOURS 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	7.7	3.6	.6								14.6	5.7
NNE	1.3	8.2	5.2	.5								15.2	6.2
NE	1.3	1.9	2.6	.4								6.7	6.3
ENE	.1	.4	1.1									1.6	7.6
E	.1	.1										.7	3.5
ESE	.1	.2										.3	3.0
SE		.1										.1	4.0
SSE	.2	.5										.6	4.1
S	.4	.9	.8	.6								2.3	7.4
SSW	.6	3.3	4.2	1.1		.1						9.4	7.8
SW	.7	2.5	3.0	.8								7.0	7.1
WSW	.4	1.6	2.7	1.2								5.8	8.6
W	1.0	1.9	1.6	1.3								5.8	7.4
WNW	.7	4.9	3.3	.3								6.3	6.3
NW	1.8	2.6	2.0									6.4	5.1
NNW	1.1	3.4	1.0									5.6	4.8
VARBL													
CALM												9.9	
	11.9	40.3	31.1	6.8		.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 1080

DATA PROCESSING DIVISION
ETAC/USA
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201 STATION FORT LEWIS WASHINGTON/GRAN AAF 39,60-70 YEARS SEP MONTH 1800-2000 HOURS (LST)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.7	.6									4.3	4.4
NNE	3.1	5.7	.6									9.4	4.2
NE	2.0	3.3	.5									5.4	4.0
ENE	1.1	.2	.1									1.4	2.8
E	.6		.1									.6	2.7
ESE	.4	.1										.5	2.4
SE	.2	.1										.3	3.0
SSE	.6	.7	.2									1.6	4.4
S	1.1	1.9	1.3									4.3	5.3
SSW	2.2	4.1	3.1	.3								9.6	5.7
SW	1.4	2.5	2.8	.2								6.9	6.0
WSW	.6	1.1	1.3	.7								3.9	6.9
W	1.1	2.8	1.9		.1							5.8	5.7
WNW	.6	2.5	1.5									4.5	5.6
NW	.9	1.3	.1									2.3	3.9
NNW	.2	.6										.7	4.3
VARBL													
CALM												37.0	
	18.1	29.5	14.0	1.2	.1							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 1240

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24261
STATION

FIRST LEWIS WASHINGTON/GRAY AAF
STATION NAME

79,60-70
YEARS

SEP
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.2										.7	2.9
NNE	.8	.9										1.7	3.5
NE	.7	.4	.1									1.2	3.3
ENE	.5											.5	2.6
E	1.0											1.0	2.1
ESE	.6	.1										.9	2.1
SE	.8	.2										1.0	2.4
SSE	1.8	.6										2.4	2.7
S	4.2	4.8	1.5	.2								10.6	4.5
SSW	1.9	4.8	2.5	.7								9.9	6.1
SW	.8	1.5	1.8	.1								4.2	6.1
WSW	.5	.3	.1									.9	4.0
W	.8	.7	.3									1.9	4.4
WNW	.9	1.1	.2									2.2	4.2
NW	.3	.2	.1									.9	4.3
NNW	.0	.1										.7	2.4
VARBL													
CALM												57.0	
	17.1	10.4	6.6	1.0								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 960

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-68
YEARS

CT
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4										.4	4.3
NNE	.2	.4										.7	3.5
NE	.6	.1	.1									.3	4.3
ENE	.4											.4	1.3
E	.0	.1										.7	2.8
ESE	.4	.4	.1									1.2	3.7
SE	1.0	1.0	.1									2.9	3.7
SSE	3.7	2.7	.8	.2								7.4	4.1
S	4.1	5.0	2.1	.3	.2							12.4	5.1
SSW	1.0	4.1	4.7	1.1	.0							12.1	7.5
SW	.4	.8	1.9	.1								3.2	7.0
WSW	.2	.2										.4	3.5
W	.2	.1	.1									.4	4.5
WNW	.2	.3	.2									.8	5.3
NW	.0	.1										.7	2.7
NNW	.1	.1		.1								.3	5.3
VARBL													
CALM												55.0	
	14.7	16.0	12.2	1.9	.8							100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 896

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24201
STATION

FIFT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

1 OCT
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2										.5	3.4
NNE	.5	.3		.1								1.1	4.3
NE	.6	.4	.1									1.2	3.3
ENE	.1											.1	2.0
E	.3	.1										.4	2.3
ESE	1.7	.3	.1									2.1	2.6
SE	1.1	1.5	.1									2.6	3.8
SSE	3.2	2.9	.7	.2								7.1	4.1
S	4.8	5.2	3.6	.7								14.3	5.4
SSW	1.8	2.3	4.5	1.3	.1							10.2	7.2
SW	.6	1.0	1.5	.2								2.9	7.0
WSW	.1	.1	.1									.3	5.0
W	.1	.3	.1									.5	5.2
WNW	.2	.1	.1									.4	4.3
NW	.2	.1										.3	2.7
NNW	.2	.1										.3	3.7
VARBL													
CALM												55.6	
	15.6	15.1	11.0	2.5	.1							100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 947

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

U.C.T.
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1											.1	3.0
NNE	.4	.5	.1									1.0	4.1
NE	.7	.7		.1								1.5	4.3
ENE	.9	.3										1.2	2.5
E	.3	.2	.1									.5	3.7
ESE	1.1	.4	.1									1.5	2.9
SE	2.4	1.3	.3									4.4	3.3
SSE	3.5	3.3	1.0	.1								7.9	4.0
S	5.7	6.5	4.3	1.5	.2							18.0	5.6
SSW	.9	3.0	4.6	1.7								10.1	7.7
SW	.4	.5	1.4									2.4	6.6
WSW	.6	.4	.3	.1								.9	6.5
W	.7	.1	.1									.9	3.0
WNW	.1	.3										.4	3.5
NW	.1											.1	2.0
NNW	.1	.1										.2	1.0
VARBL													
CALM												48.9	
	17.4	17.5	12.2	3.3	.2							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

1115

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

CT
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.8	.4	.1								2.2	4.4
NNE	1.3	1.4	1.1	.2								3.9	5.3
NE	1.5	2.1	.4	.3								.2	4.8
ENE	.6	.8	.3									1.7	4.4
E	.9	.1	.3									1.3	4.1
ESE	.3	1.1	.2	.1								1.9	4.4
SE	.0	.2	.3	.2								1.6	5.3
SSE	1.3	2.2	1.1	.1								4.7	5.1
S	2.1	5.2	4.4	2.6	.6							14.9	7.7
SSW	1.7	3.4	7.2	2.2	.2							14.7	7.0
SW	.7	2.6	2.8	1.0	.1							7.2	7.4
WSW	1.0	.8	.8	.4								3.0	6.2
W	1.0	1.0	.2	.1								2.2	4.2
WNW	1.1	.8	.1	.1								2.1	3.5
NW	.9	.2										1.1	2.4
NNW	.1	.4	.2									1.3	3.7
VARBL													
CALM												31.9	
	16.8	23.5	19.5	7.3	.9							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

1116

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201 STATION FORT LEWIS WASHINGTON/GRAY AAF 39,60-70 CT
STATION NAME YEARS MONTH
ALL WEATHER CLASS 1200-1400
CONDITION HOURS (L & T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.6	1.3									5.8	5.0
NNE	1.3	2.6	2.1	.7								6.6	6.2
NE	.9	2.1	1.2	.4								4.5	5.9
ENE	.3	.6										.9	3.7
E	.2	.4										.6	4.3
ESE	.3	.3	.2									.7	4.3
SE	.2	.4	.2									.7	5.0
SSE	.5	1.3	.5	.2								2.6	5.7
S	.6	2.1	5.0	2.2	.3	.1						10.3	9.0
SSW	1.5	3.4	6.7	2.4	.2							14.2	8.2
SW	1.3	2.5	4.1	1.6								9.5	7.7
WSW	.4	1.9	2.1	.8								5.1	7.6
W	1.5	3.2	1.6	.6								7.0	5.8
WNW	2.6	2.5	.3	.3								5.6	4.3
NW	1.6	2.3	.4									4.4	4.1
NNW	1.2	2.3	.4									3.9	4.6
VARBL													
CALM												17.7	
	15.7	30.7	26.1	9.2	.4	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 FORT LEWIS WASHINGTON/GRAY AAF STATION NAME 39,60-70 YEARS CT MONTH 1500-1700 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.3	1.3									6.5	4.7
NNE	.7	4.5	1.5	.4								7.1	5.8
NE	1.6	2.1	.7	.1								4.5	4.6
ENE	.6	1.4	.4									2.6	4.6
E	.4											.4	2.3
ESE	.8	.6										1.4	3.2
SE	.4	.7	.2									1.3	4.8
SSE	.6	.8	.9									2.3	5.7
S	1.2	4.4	3.8	1.0	.1							10.4	6.8
SSW	2.1	5.9	6.1	1.1	.2							15.3	6.8
SW	.7	3.0	3.4	.8								8.0	7.1
WSW	.8	1.3	1.8	.7								4.6	7.2
W	1.2	1.5	2.1	.2								4.9	6.1
WNW	1.3	2.2	.4	.2								4.0	4.6
NW	1.2	2.2	.4	.1								3.9	4.1
NNW	1.8	2.0	.3									4.0	3.9
VARBL													
CALM												16.8	
	17.3	36.1	23.0	4.5	.3							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 1115

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

1 OCT
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4										.5	4.2
NNE	1.0	1.5	.1	.1								2.7	4.5
NE	.8	1.3	.1									2.2	3.8
ENE	.6	.4										1.1	3.4
E	.5	.2										.7	2.6
ESE	.4	.8	.1									1.3	4.1
SE	1.1	.9	.4	.3								2.7	5.0
SSE	2.7	1.9	.7		.1	.1	.1					5.6	5.0
S	3.3	5.9	3.3	.6								13.2	5.6
SSW	.6	7.0	4.8	.5								13.0	6.5
SW	.9	.9	1.8	.2								3.8	6.6
WSW	.5	.4	.1									1.1	3.5
W	.3	1.2	.3	.1								1.8	5.9
WNW	.1	.4	.2									.7	5.5
NW	.3	.2										.4	3.6
NNW	.4											.4	2.8
VARBL												48.9	
CALM													
	13.6	23.5	11.9	1.8	.1	.1	.1					100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 1114

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

CT
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	.1									.5	5.8
NNE	.5	.6										1.1	3.7
NE	.5	.2	.1									.8	3.6
SNE	.4											.4	1.8
E													
ESE	.0	.4	.3									1.3	3.9
SE	1.7	1.2	.1									3.0	3.5
SSE	2.3	2.3	.1	.1	.2		.1					5.1	4.9
S	2.0	6.3	3.7	.8	.2							13.6	6.2
SSW	1.1	5.5	5.7	.9	.1							13.3	7.1
SW	.7	.4	.9	.4								2.4	7.0
WSW	.7	.1	.1									.9	3.2
W	.6	.2	.1									.9	3.6
WNW	.3	.3	.1									.7	4.0
NW	.2	.4										.6	3.7
NNW	.1											.1	2.0
VARBL													
CALM												55.4	
	12.4	18.1	11.3	2.2	.5		.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 1003

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-62,64-68
YEARS

NYV
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2										.6	3.4
NNE	.0	.4	.2									1.2	4.0
NE	1.1	.9	.2									2.1	4.1
ENE	.7	.1										.8	2.3
E	.0	.4										1.0	3.0
ESE	1.2	.7	.1									2.1	3.2
SE	2.0	1.1	.1									3.2	3.3
SSE	2.2	4.1	.6									6.9	4.3
S	4.7	5.6	4.7	.9	.4							16.2	5.9
SSW	1.5	4.6	6.2	3.2	.1							15.6	7.8
SW	.4	.9	1.1	.4								2.7	7.3
WSW	.2		.5	.3								1.2	9.0
W	.4	.2		.2								.9	6.1
WNW	.1	.1										.2	3.0
NW	.5											.5	2.3
NNW	.2											.5	2.8
VARBL													
CALM												44.2	
	17.0	19.3	13.8	5.2	.5							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 810

1 DATA PROCESSING DIVISION
3 ETAG/USAF
AIR WEATHER SERVICE/1AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39, 60-62, 64-68
YEARS

127V
MONTH

ALL WEATHER
CLASS

0100-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4										.5	4.0
NNE	.4	.5										.9	3.7
NE	.4	1.4										1.7	4.4
ENE	.5	.1	.1									.7	3.3
E	.5	.2										.9	3.0
ESE	1.5	1.1										2.6	3.3
SE	2.0	1.7	.1									3.8	3.4
SSE	3.3	3.5	1.5	.1	.1							8.6	4.8
S	3.5	4.3	4.4	2.2	.1							14.6	6.6
SSW	1.0	3.2	0.2	1.2	.2							11.0	7.9
SW	.5	.5	1.2	.4								2.6	7.2
WSW	.2	.1	.1	.4	.1							1.0	9.6
W	.2	.2		.2								.7	7.8
WNW													
NW	.2	.1										.4	3.0
NNW	.2											.2	2.5
VARBL													
CALM												48.9	
	14.1	17.4	13.8	4.6	.6							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 217

DATA PROCESSING DIVISION
 FTAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24701
 STATION

FORT LEAIs WASHINGTON/GRAY AAF
 STATION NAME

39,60-70
 YEARS

NOV
 MONTH

ALL WEATHER
 CLASS

0600-0800
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.2	.1									.3	2.4
NNE	.3	.5	.1									.0	4.3
NE	.7	1.3										2.0	3.9
ENE	.7	.4										1.1	3.3
E	.9	.2										1.1	2.7
ESE	1.5	.7										2.2	2.8
SE	1.4	1.2	.5	.1								3.7	4.2
SSE	3.1	3.6	1.1	.1								7.9	4.6
S	3.7	6.7	5.3	1.7	.1							17.4	6.3
SSW	1.3	2.6	4.7	1.1								9.7	7.5
SW	.2	.6	1.3	.5								2.6	8.1
WSW	.5	.3	.6	.1								1.5	6.4
W	.6	.6	.1									1.3	3.6
WNW	.6	.2										.0	2.9
NW	.2	.2										.4	1.3
NNW	.1	.1	.1									.3	5.0
VARBL													
CALM												46.2	
	17.1	19.2	13.9	3.5	.1							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 1078

DATA PROCESSING DIVISION
STAG/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 24201 STATION NAME FORT LEWIS WASHINGTON/GRAY AAF YEARS 39,60-70 MONTH NOV
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.4	.5									1.7	4.2
NNE	1.0	1.2	.3									2.5	4.4
NE	1.5	1.7	.5									3.6	4.2
ENE	1.0	.5	.1									1.6	3.2
E	.3	.4										.6	3.7
ESE	1.0	.6	.1	.1								1.9	3.5
SE	1.1	1.4	.5	.1								3.1	4.6
SSE	2.4	2.2	1.1	.4								6.1	5.1
S	1.9	6.8	5.6	1.2	.6							16.0	7.1
SSW	1.3	3.5	8.1	1.2	.0	.1						15.1	8.3
SW	.3	.9	1.9	.3								3.4	7.6
WSW	.2	.6	.5	.8								2.1	8.8
W	.7	.9	.2									1.9	4.3
WNW	.6	.6	.1									1.3	3.7
NW	1.0											1.0	2.4
NNW	.0	.1										.7	7.1
VARBL													
CALM												37.1	
	16.0	21.9	19.4	4.1	1.2	.1						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 1060

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201
STATION

PONT LEVIS WASHINGTON/CRAV AAF
STATION NAME

1960-70
YEARS

1-70
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.9	.2									3.7	4.2
NNE	1.5	2.4	2.1									6.0	5.6
NE	1.0	1.5	.2	.1								3.5	5.4
ENE	.9	.6	.1									1.7	3.6
E	.5	.3										.7	3.4
ESE	.6	.6	.1									1.2	3.3
SE	.7	.4	.3	.1								1.9	4.7
SSE	.7	.1	.6	.2	.1							2.4	6.2
S	1.6	3.1	6.1	2.5	.1							13.4	9.0
SSW	1.4	5.5	4.9	3.1	.2							20.1	2.0
SW	1.1	2.3	2.4	1.3								7.1	7.3
WSW	.7	1.3	1.0	1.2								4.3	7.8
W	1.4	.9	.6	.1	.2							3.1	5.1
WNW	1.8	.7	.1	.1								2.7	3.4
NW	1.2	.9	.4									2.2	3.9
NNW	1.3	1.7	.1									.1	3.5
VARBL													
CALM												22.4	
	17.0	25.5	25.1	8.7	.6							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 1000

1 DATA PROCESSING DIVISION
3 AFAC/USAF
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

242.01
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

1530-1700
MONTH

ALL WEATHER
CLASS

1530-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.1	.6									2.7	4.4
NNE	1.2	3.7	.9	.1								5.9	4.9
NE	1.3	1.7	.3	.1								3.3	4.1
ENE	.5	.4										.1	3.0
E	.9	.1										1.2	2.8
ESE	.8	.6	.1									1.5	3.3
SE	.9	.4	.2	.2								1.7	5.1
SSE	1.4	1.6	1.2	.1	.1							4.4	5.3
S	2.2	7.0	8.0	1.4	.2							16.9	8.9
SSW	1.9	6.6	7.9	.6	.1							17.1	6.8
SW	1.1	1.7	2.0	.1								4.8	6.2
WSW	.4	.9	.5		.1							1.9	6.2
W	.8	.9	.6	.5	.2							3.6	7.3
WNW	.9	.7	.1									1.8	3.9
NW	.6	.9	.1									1.6	4.1
NNW	1.2	.6	.1									1.6	3.0
VARBL													
CALM												28.5	
	18.1	29.1	20.6	3.1	.6							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 10.0

ATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 4201 STATION NAME PORT LUIS WASHINGTON/CRAY AAF YEARS 1966-70 MONTH ANY
CLASS ALL WEATHER HOURS (LST) 1800-2000
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.1	.2									1.1	4.3
NNE	.6	.3	.4									1.9	4.5
NE	.5	.5										1.5	3.2
ENE	.2	.1										.6	2.5
E	.4	.4										.7	4.1
ESE	.6	.6	.1									1.6	3.6
SE	.8	.7	.1	.1								1.9	4.2
SSE	2.4	3.5	.6	.2								6.9	6.4
S	3.7	7.3	3.8	1.5								19.6	6.1
SSW	.9	4.8	2.5	1.5	.2							12.9	7.6
SW	.6	1.0	1.3	.2	.1							3.2	6.7
WSW	.4	.5		.4								1.1	7.0
W	.2	.2										.5	3.2
WNW	.4	.4	.2									.7	4.7
NW	.3	.1										.6	2.8
NNW	.2											.3	2.0
VARBL													
CALM												40.7	
	13.1	21.2	12.4	3.6	.3							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 1000

DATA PROCESSING DIVISION
 FTAG/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39:60-70
YEARS

ANY
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.3										.6	2.9
NNE	.4	.7	.2									1.3	4.5
NE	.6	.7										1.3	3.4
ENE	.0											.6	2.7
E	.0	.1										.7	2.9
ESE	1.1	.6										1.7	2.8
SE	1.3	1.4	.7		.2							3.5	5.3
SSE	2.6	3.4	.7	.2								6.9	4.3
S	2.9	5.7	4.2	.7	.2							13.7	6.2
SSW	1.0	4.2	7.0	1.6	.2							13.9	7.9
SW	.2	.9	.8	.4	.1							2.4	8.2
WSW	.2	.2	.1	.1	.1							.8	8.0
W	.1	.1	.1									.3	5.3
WNW	.2	.4										.6	4.5
NW	.1	.1										.2	5.0
NNW	.1											.1	2.0
VARBL													
CALM												51.5	
	12.4	18.7	13.6	2.9	.8							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 1019

DATA PROCESSING DIVISION
AFAC/USAF
AIR WEATHER SERVICE/AF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

74201 STATION 74201 FORT LEWIS WASHINGTON/GRAY AAF 39,60-68 OFF
STATION NAME YEARS MONTH
ALL WEATHER CLASS 0000-0200
CONDITION HOUR (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3											.3	2.7
NNE	.0	.4	1.1	.1								2.3	6.5
NE	.4	.5	.3	.1								1.4	5.0
ENE	.2	.3										.5	3.8
E	.4		.1									.5	3.2
ESE	1.0	.9										1.9	3.3
SE	1.2	1.2	.2									3.3	3.4
SSE	1.8	1.8	1.2	.2								5.1	5.7
S	3.3	4.1	4.6	2.3	.2							14.5	7.1
SSW	1.0	5.1	7.0	2.6								15.7	7.0
SW	.8	.6	1.8	.4								3.6	7.2
WSW	.4	.3	.2	.1								1.1	5.7
W	.4	.1	.4									1.0	4.1
WNW	.3											.4	3.9
NW	.3											.4	2.3
NNW	.1											.1	1.7
VAROL													
CALM												48.4	
	13.7	33.4	17.0	5.3	.2							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 729

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAG

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-68
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2										.4	3.5
NNE	1.0	1.0	.3	.1								2.4	4.0
NE	.9	.5	.1	.1	.1							1.7	5.0
ENE	.5	.3	.3									1.2	4.5
E	.0	.1										.9	2.9
ESE	.0	1.1										1.3	3.8
SE	.9	1.2	.6									2.7	4.8
SSE	1.5	1.1	.0	.1	.1							3.4	4.9
S	2.5	4.7	5.5	1.8	.3							14.8	7.2
SSW	.8	5.1	6.8	2.2	.2							14.9	7.9
SW	.8	.9	2.3	.5								4.6	7.5
WSW		.2	.3	.1	.1							.8	10.4
W	.5	.5		.1								1.2	4.7
WNW	.2		.1									.3	4.7
NW													
NNW	.2	.1										.3	2.7
VARBL													
CALM												48.5	
	11.4	17.0	17.2	5.1	.9							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING DIVISION
 AFAC/USAF
 AIR WEATHER SERVICE/MAF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201 STATION FORT LEWIS WASHINGTON/GRAY AAF 39,60-70 UFG
 STATION NAME YEARS MONTH
 ALL WEATHER CLASS 0600-0800
 CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.2										.4	2.8
NNE	.9	.4	.3									1.4	4.0
NE	1.3	.8	.3	.1								2.5	4.1
ENE	.4		.2									.6	3.6
E	.4	.1										.4	2.6
ESE	1.3	1.1	.1									2.4	3.4
SE	1.4	1.7	.5	.2								3.9	4.6
SSE	2.2	2.7	.8	.4								6.0	4.9
S	3.5	5.4	5.3	2.8	.1							17.0	6.8
SSW	1.3	4.4	6.2	1.3								13.3	7.3
SW	.5	.0	1.3	.6								3.1	7.3
WSW	.4	.4	.3	.2	.4							1.5	9.2
W	.3	.1			.1							.4	6.8
WNW	.3	.2										.4	3.2
NW	.1	.1										.2	4.0
NNW	.1		.1									.2	3.0
VARBL													
CALM												46.0	
	14.0	18.0	15.3	5.6	.5							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/NAF

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	.1									1.0	4.0
NNE	.7	1.3	.3	.1								2.3	4.9
NE	1.3	.9	.5									2.8	4.0
ENE	.7	.2	.2									1.1	3.7
E	.4	.4										.7	3.1
ESE	.9	.5	.4									1.9	4.3
SE	1.5	.7	.4	.2								2.9	4.3
SSE	2.2	1.8	1.3	.4								5.6	5.2
S	3.2	0.1	4.4	3.4	.4							17.5	7.3
SSW	2.6	3.9	8.4	1.8	.2							16.3	7.7
SW	.8	1.0	1.3	.8	.1							4.0	7.5
WSW	.7	.4	.6	.1		.1						2.0	6.7
W	1.0	.3	.4	.2	.1							2.0	5.7
WNW	.2	.2	.1									.4	4.2
NW	.2	.1										.3	2.7
NNW	.2											.2	2.5
VARBL													
CALM												39.2	
	16.5	18.1	18.3	6.9	.7	.1						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

1116

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 STATION NAME FORT LEWIS WASHINGTON/GRAY AAF YEARS 39, 60-70 DEC 1200-1400
MONTH 1200-1400
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.4	.2									2.2	3.4
NNE	1.2	1.3	1.1	.1								3.7	5.4
NE	2.3	3.0	.7	.1								6.1	4.5
ENE	.6	.6	.4									1.9	4.4
E	.7	.1										.8	2.3
ESE	.5	.4	.1									1.1	3.9
SE	.7	.4	.7	.3								2.4	6.5
SSE	1.1	.6	1.1	.6	.1							3.8	6.6
S	2.2	2.3	3.7	3.1	.9	.3						12.6	8.9
SSW	1.4	4.1	9.5	3.3	.3							18.7	8.4
SW	.6	3.0	2.9	.6								7.3	6.9
WSW	.7	.5	1.2	.7	.1							3.2	7.9
W	.7	1.3	.4	.4	.1							2.9	6.5
WNW	.6	.4	.1									1.1	3.5
NW	.9	.3	.1									1.3	3.5
NNW	.7	.1	.1									.9	3.0
VARBL													
CALM												30.7	
	17.0	19.1	22.1	9.5	1.4	.3						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 1115

DATA PROCESSING DIVISION
 3 12C/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201 STATION FORT LEWIS WASHINGTON/GRAY AAF 39,60-70 YEARS 10C MONTH
 ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.4	.1									1.4	3.4
NNE	1.3	1.9	.8									4.0	4.8
NE	2.2	1.7	.7									4.7	4.1
ENE	.7	.5	.1									1.3	3.7
E	.4	.3										1.1	2.6
ESE	1.3	.3	.1									1.6	3.2
SE	1.3	.6	.9	.3								3.1	5.2
SSE	1.4	2.1	.8	.5	.3							5.1	6.3
S	2.8	5.5	5.6	1.8	.2							15.0	6.9
SSW	1.3	4.4	7.5	2.0	.1							15.2	7.8
SW	1.3	1.5	1.8	.6	.1							5.4	6.8
WSW	.4	.9	1.3	.1								2.7	6.6
W	.8	.7	.4	.1								2.1	5.1
WNW	.5	.3										.8	2.8
NW	.7	.3										1.0	2.7
NNW	.2	.5										.7	4.3
VARBL													
CALM												34.0	
	14.2	21.8	20.1	5.4	.6							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24201
STATION

FORT LEWIS WASHINGTON/GPAY AAF
STATION NAME

39,60-70
YEARS

DEC
MONTH

1800-2000
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.3	.2									.6	4.3
NNE	.5	1.2	.8									2.5	5.2
NE	1.1	.7	.1									1.9	3.5
ENE	.3	.4										.7	4.1
E	.6	.1										.7	2.1
ESE	1.0	.4										2.1	2.8
SE	1.4	.8	.7	.1								3.1	4.6
SSE	2.2	3.0	1.1	.2								6.5	4.5
S	3.7	6.0	5.6	2.2	.1							17.6	6.7
SSW	1.1	4.4	6.6	1.7	.1							13.9	7.6
SW	.5	1.2	1.3	.5								3.5	7.2
WSW	.4	.2	.3	.3								1.1	7.0
W	.2	.3	.1	.2								.7	7.5
WNW	.3	.1										.4	2.0
NW	.4											.4	2.5
NNW		.1										.1	4.0
VARBL													
CALM												44.1	
	14.1	19.1	16.7	5.2	.2							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

1114

DATA PROCESSING DIVISION
 FTAG/USA
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24201 FT LEWIS WASHINGTON/GRAY AAF STATION NAME 39,60-70 YEARS 50 MONTH 2100-2300 HOURS (L.S.T.)
 CLASS ALL 0 FATHOM
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.2	.1									.6	3.8
NNE	.0	.5	1.0									2.1	6.2
NE	1.2	.6	.1									1.9	3.3
ENE	.7	.2	.1									.9	3.1
E	1.2	.5										1.7	2.1
ESE	.9	.6	.1									1.5	3.5
SE	1.0	.9	.2									2.8	3.7
SSE	2.5	1.7	1.0	.2								5.7	5.4
S	2.9	5.2	4.5	2.0	.2							14.8	6.8
SSW	.9	4.7	5.5	2.5								13.7	7.9
SW	.9	.9	1.4	.5								3.7	7.1
WSW	.1	.1	.1		.1							.4	8.5
W	.3	.3		.2	.1							.7	6.7
WNW	.2	.2										.4	4.0
NW	.1											.1	1.0
NNW	.1											.1	2.0
VARBL													
CALM												48.9	
	13.9	16.6	14.9	5.3	.4							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 1054

DATA PROCESSING DIVISION
 AFAC/USAF
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40, 60-70
YEARS

ALL
NORTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.7	.1	.2								2.2	3.7
NNE	1.4	1.5	.5	.0								3.4	4.2
NE	1.0	1.5	.3	.3								3.4	3.0
ENE	.9	.5	.1									1.5	3.4
E	.0	.2										.3	2.6
ESE	1.0	.2	.0									1.2	2.4
SE	1.0	.4	.0									1.3	2.8
SSE	1.3	.9	.2									2.3	3.5
S	2.8	2.2	1.4	.0	.1							7.0	5.8
SSW	2.1	4.4	4.5	1.2	.1							17.3	6.8
SW	1.5	2.9	1.7	.4	.0	.0						6.8	6.0
WSW	1.1	1.2	.6	.1	.0	.0						3.1	5.2
W	1.3	1.4	.3	.2	.0							3.1	4.6
WNW	1.1	.9	.1	.0								2.1	3.8
NW	1.1	.5	.1									1.7	3.3
NNW	.0	.5	.1									1.4	3.3
VARBL													
CALM												16.5	
	20.6	19.7	10.2	2.6	.3	.0						100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

10057

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

* Low percentages in visibility column ≥ 10 miles for some months and month-hour groups are due to station reporting a maximum visibility of 7 miles for these observations.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
1800															
1500					91.0										92.6
1200															
1000															
900															
800															
700															
600															
500										97.4					98.1
400															
300															
200															
100					95.4		96.9			97.3					100.0
0															

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 97.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING DIVISION
USAF ETAC
AIR RESEARCH VICE/MAC

CEILING VERSUS VISIBILITY

STATION 24201 FORT LEWIS WASHINGTON/GRAY AAF 39-40.60-70

YEARS

all MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

all HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	19.5	33.3	34.3	35.0	35.6	35.7	36.1	36.3	36.4	36.9	36.7	36.8	36.9	37.0	37.1	37.2
≥ 20000	4.5	38.8	39.9	40.8	41.4	41.6	42.1	42.3	42.4	42.7	42.8	42.9	43.0	43.1	43.2	43.4
≥ 18000	4.6	38.8	40.0	40.9	41.5	41.7	42.2	42.4	42.5	42.8	42.9	43.0	43.1	43.2	43.3	43.5
≥ 16000	4.8	39.1	40.3	41.1	41.8	42.0	42.4	42.7	42.8	43.0	43.2	43.3	43.4	43.4	43.6	43.7
≥ 14000	5.7	40.1	41.3	42.2	42.9	43.1	43.5	43.8	43.9	44.1	44.3	44.3	44.5	44.6	44.7	44.9
≥ 12000	6.9	41.5	42.8	43.7	44.4	44.6	45.1	45.3	45.4	45.7	45.8	45.9	46.1	46.1	46.2	46.4
≥ 10000	8.0	43.5	44.8	45.8	46.5	46.8	47.2	47.5	47.6	47.9	48.1	48.1	48.3	48.3	48.5	48.6
≥ 9000	9.6	44.8	46.2	47.1	47.9	48.1	48.6	48.9	49.0	49.3	49.5	49.5	49.7	49.7	49.9	50.0
≥ 8000	12.1	47.8	49.3	50.3	51.1	51.3	51.9	52.2	52.3	52.5	52.7	52.8	52.9	53.0	53.1	53.3
≥ 7000	14.7	51.0	52.6	53.7	54.5	54.8	55.3	55.6	55.7	56.0	56.2	56.3	56.4	56.5	56.6	56.8
≥ 6000	16.6	53.4	55.1	56.2	57.1	57.4	57.9	58.2	58.4	58.6	58.8	58.9	59.0	59.1	59.2	59.4
≥ 5000	19.4	57.0	58.9	60.1	61.0	61.3	61.9	62.3	62.4	62.7	62.9	62.9	63.1	63.2	63.3	63.5
≥ 4500	21.2	59.2	61.1	62.4	63.4	63.7	64.3	64.7	64.8	65.1	65.3	65.3	65.5	65.6	65.7	65.9
≥ 4000	24.1	62.8	64.9	66.3	67.3	67.6	68.2	68.6	68.8	69.1	69.3	69.3	69.5	69.6	69.7	69.9
≥ 3500	27.0	66.5	68.8	70.2	71.3	71.7	72.4	72.8	72.9	73.2	73.4	73.5	73.7	73.8	73.9	74.1
≥ 3000	30.3	70.7	73.2	74.8	76.0	76.4	77.1	77.5	77.7	78.0	78.2	78.3	78.5	78.6	78.7	78.9
≥ 2500	33.4	74.7	77.5	79.2	80.4	80.8	81.6	82.1	82.2	82.6	82.8	82.9	83.1	83.2	83.3	83.5
≥ 2000	36.3	78.7	81.7	83.6	85.0	85.4	86.2	86.8	86.9	87.4	87.6	87.7	87.8	87.9	88.0	88.3
≥ 1800	38.8	79.4	82.5	84.4	85.8	86.3	87.1	87.6	87.8	88.2	88.5	88.5	88.7	88.8	88.9	89.1
≥ 1500	41.8	80.8	84.1	86.0	87.5	88.0	88.9	89.4	89.6	90.0	90.3	90.4	90.5	90.6	90.7	91.0
≥ 1200	44.6	82.1	85.5	87.5	89.1	89.6	90.6	91.2	91.4	91.8	92.0	92.1	92.3	92.4	92.5	92.7
≥ 1000	48.9	82.6	86.1	88.2	89.9	90.5	91.4	92.1	92.3	92.8	93.0	93.1	93.3	93.4	93.5	93.7
≥ 900	51.9	82.8	86.3	88.5	90.3	90.9	91.9	92.5	92.7	93.2	93.5	93.5	93.7	93.8	93.9	94.2
≥ 800	54.0	83.1	86.7	88.9	90.7	91.3	92.4	93.1	93.3	93.8	94.1	94.1	94.3	94.4	94.6	94.7
≥ 700	57.1	83.3	86.9	89.2	91.1	91.7	92.8	93.5	93.8	94.3	94.6	94.6	94.8	94.9	95.1	95.3
≥ 600	59.1	83.4	87.1	89.4	91.4	92.0	93.2	94.0	94.2	94.7	95.0	95.1	95.3	95.4	95.5	95.7
≥ 500	61.2	83.5	87.2	89.6	91.6	92.3	93.6	94.5	94.8	95.3	95.7	95.7	95.8	96.0	96.1	96.4
≥ 400	63.2	83.5	87.3	89.7	91.8	92.6	93.9	94.9	95.2	95.9	96.3	96.4	96.6	96.7	96.9	97.1
≥ 300	65.2	83.5	87.3	89.8	91.9	92.7	94.1	95.1	95.5	96.3	96.8	96.9	97.2	97.4	97.6	97.9
≥ 200	67.2	83.6	87.3	89.8	91.9	92.7	94.1	95.1	95.6	96.4	97.1	97.2	97.6	97.8	98.0	98.4
≥ 100	69.2	83.6	87.3	89.8	91.9	92.7	94.1	95.2	95.7	96.5	97.1	97.3	97.7	98.0	98.4	99.5
≥ 0	71.2	83.6	87.3	89.8	91.9	92.7	94.1	95.2	95.7	96.5	97.1	97.3	97.8	98.0	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7922

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

40,61-70
YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	13.4	16.1	16.7	17.2	17.6	17.8	18.0	18.3	18.3	18.5	18.7	18.9	18.9	19.1	19.1	19.3
≥ 20000	17.8	21.0	21.9	22.7	23.3	23.5	23.9	24.3	24.4	24.7	24.9	25.0	25.0	25.2	25.2	25.5
≥ 18000	17.8	21.0	21.9	22.7	23.3	23.5	23.9	24.3	24.4	24.6	24.8	24.9	25.0	25.1	25.3	25.7
≥ 16000	17.9	21.2	22.1	22.9	23.6	23.8	24.2	24.6	24.7	24.9	25.1	25.2	25.3	25.3	25.5	25.7
≥ 14000	18.7	22.2	23.1	24.0	24.7	24.9	25.3	25.7	25.8	26.1	26.3	26.3	26.5	26.5	26.7	27.0
≥ 12000	19.7	23.4	24.4	25.4	26.2	26.5	26.9	27.3	27.5	27.7	27.9	28.0	28.1	28.2	28.4	28.7
≥ 10000	21.0	25.0	26.0	27.1	28.0	28.3	28.7	29.2	29.3	29.6	29.8	29.9	30.0	30.0	30.3	30.6
≥ 9000	21.9	26.3	27.4	28.5	29.5	29.8	30.3	30.8	30.9	31.2	31.4	31.5	31.6	31.7	31.9	32.2
≥ 8000	24.2	29.3	30.7	31.7	32.8	33.1	33.7	34.2	34.3	34.6	34.9	35.0	35.1	35.2	35.4	35.7
≥ 7000	26.3	32.3	33.8	35.0	36.2	36.4	37.0	37.5	37.6	37.9	38.2	38.3	38.4	38.5	38.7	39.1
≥ 6000	28.1	34.9	36.5	37.8	39.0	39.4	39.9	40.5	40.6	40.9	41.2	41.3	41.4	41.5	41.7	42.0
≥ 5000	30.0	38.7	40.2	42.4	43.7	44.1	44.7	45.3	45.5	45.8	46.1	46.2	46.3	46.4	46.7	47.0
≥ 4500	32.2	41.1	43.0	45.1	46.6	47.0	47.7	48.3	48.5	48.7	49.1	49.2	49.4	49.5	49.7	50.0
≥ 4000	34.7	45.0	47.7	49.6	51.2	51.7	52.4	53.1	53.3	53.7	54.1	54.2	54.3	54.5	54.7	55.0
≥ 3500	37.4	49.4	52.5	54.5	56.3	56.9	57.7	58.6	58.8	59.2	59.4	59.5	59.7	59.8	60.0	60.4
≥ 3000	40.0	53.9	57.3	59.5	61.5	62.1	63.0	64.0	64.2	64.6	64.8	65.1	65.2	65.3	65.5	65.9
≥ 2500	42.5	58.2	62.1	64.4	66.5	67.2	68.2	69.2	69.5	69.9	70.2	70.3	70.5	70.6	70.8	71.1
≥ 2000	45.0	63.1	67.7	70.4	72.9	73.5	74.6	75.8	76.1	76.5	76.8	77.0	77.2	77.4	77.6	77.9
≥ 1800	45.3	63.7	68.6	71.1	73.5	74.3	75.4	76.5	76.9	77.3	77.6	77.8	78.0	78.1	78.3	78.6
≥ 1500	46.0	65.3	70.2	73.0	75.3	76.4	77.6	78.9	79.2	79.7	80.0	80.1	80.3	80.4	80.6	81.0
≥ 1200	47.0	67.3	72.4	75.4	78.1	79.0	80.3	81.6	82.0	82.3	82.6	82.9	83.2	83.3	83.5	83.9
≥ 1000	47.2	67.8	73.1	76.3	79.3	80.3	81.6	83.1	83.7	84.2	84.6	84.9	85.2	85.3	85.5	85.9
≥ 900	47.2	68.1	73.4	76.7	79.7	80.8	82.2	83.7	84.3	84.8	85.2	85.5	85.8	85.9	86.1	86.5
≥ 800	47.3	68.5	73.9	77.3	80.6	81.7	83.1	84.8	85.3	85.8	86.4	86.5	86.8	86.9	87.1	87.5
≥ 700	47.4	68.8	74.2	77.8	81.1	82.2	83.8	85.5	86.2	86.9	87.3	87.5	87.7	87.8	88.0	88.4
≥ 600	47.4	69.0	74.4	78.1	81.6	82.3	84.0	86.5	87.3	87.9	88.4	88.6	88.9	89.0	89.2	89.6
≥ 500	47.5	69.1	74.7	78.5	82.1	83.5	85.4	87.6	88.5	89.3	89.8	90.0	90.3	90.4	90.6	91.0
≥ 400	47.5	69.2	74.6	78.6	82.4	83.9	85.9	88.3	89.3	90.4	91.2	91.5	91.8	91.9	92.2	92.5
≥ 300	47.5	69.2	74.8	78.7	82.4	84.1	86.3	88.7	89.9	91.1	92.2	92.4	92.7	92.8	93.0	93.4
≥ 200	47.5	69.2	74.8	78.7	82.5	84.1	86.4	89.1	90.3	91.6	92.9	93.5	94.1	94.3	94.5	94.9
≥ 100	47.5	69.2	74.9	78.7	82.5	84.2	86.5	89.1	90.4	91.7	93.1	93.6	94.4	94.9	95.7	96.1
≥ 0	47.5	69.2	74.9	78.7	82.5	84.2	86.5	89.1	90.4	91.7	93.1	93.6	94.4	94.9	95.7	96.1

TOTAL NUMBER OF OBSERVATIONS 7164

DATA PROCESSING DIVISION
USAF ETAC
AIR WEAT LR SERVICE/PAC

CEILING VERSUS VISIBILITY

24201 STATION NAME: JOHN LEWIS WASHINGTON/GRAY AAF 4061-10

YEARS: FEB MONTH: ALL HOURS/ST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25/16	≥.25	≥.2	≥.1
NO CEILING	21.6	25.7	27.1	28.2	28.9	29.2	29.7	30.0	30.1	30.4	30.6	30.7	30.8	30.8	30.9	31.0
≥ 26000	25.7	30.5	32.0	33.4	34.1	34.5	35.2	35.6	35.8	36.1	36.4	36.4	36.6	36.7	36.8	36.9
≥ 18000	25.7	30.5	32.0	33.4	34.2	34.5	35.3	35.7	35.9	36.2	36.4	36.5	36.6	36.7	36.8	37.0
≥ 16000	25.8	30.6	32.2	33.5	34.3	34.6	35.4	35.8	36.0	36.3	36.5	36.6	36.8	36.8	36.9	37.1
≥ 14000	26.7	31.6	33.3	34.8	35.6	36.0	36.4	37.2	37.3	37.7	37.9	38.1	38.1	38.2	38.3	38.5
≥ 12000	27.7	32.8	34.5	36.1	37.0	37.4	38.2	38.6	38.8	39.1	39.4	39.5	39.6	39.7	39.9	40.0
≥ 10000	29.2	35.0	36.7	38.5	39.6	40.0	40.9	41.3	41.5	41.9	42.2	42.3	42.4	42.5	42.7	42.8
≥ 9000	30.2	36.4	38.2	40.1	41.2	41.6	42.5	43.1	43.2	43.5	43.8	43.9	44.1	44.2	44.3	44.5
≥ 8000	32.5	39.2	41.2	43.1	44.2	44.6	45.6	46.1	46.3	46.7	47.0	47.1	47.2	47.3	47.5	47.6
≥ 7000	32.5	43.1	45.3	47.4	48.6	49.0	50.1	50.6	50.7	51.2	51.5	51.6	51.7	51.8	52.0	52.1
≥ 6000	37.5	45.8	48.2	50.2	51.5	52.0	53.0	53.5	53.7	54.1	54.4	54.5	54.7	54.8	54.9	55.1
≥ 5000	39.9	49.0	51.0	53.6	55.0	55.4	56.5	57.0	57.3	57.7	58.1	58.2	58.3	58.4	58.6	58.7
≥ 4500	41.1	50.7	53.3	55.4	56.8	57.3	58.4	58.9	59.2	59.7	60.0	60.1	60.2	60.3	60.5	60.6
≥ 4000	43.9	54.9	57.6	59.9	61.3	61.8	63.0	63.5	63.8	64.3	64.7	64.8	65.0	65.1	65.2	65.4
≥ 3500	46.9	59.0	62.1	64.5	65.9	66.4	67.6	68.2	68.5	69.0	69.4	69.5	69.7	69.8	69.9	70.1
≥ 3000	51.2	64.7	68.0	70.6	72.2	72.7	74.0	74.7	75.0	75.6	75.9	76.0	76.2	76.3	76.5	76.7
≥ 2500	54.2	69.1	72.8	75.5	77.1	77.7	79.0	79.8	80.1	80.7	81.1	81.2	81.4	81.5	81.6	81.8
≥ 2000	57.3	74.4	78.6	81.6	83.6	84.3	85.7	86.5	86.8	87.5	87.9	88.0	88.2	88.3	88.4	88.6
≥ 1800	58.0	75.5	79.8	82.8	84.9	85.5	87.0	87.8	88.1	88.8	89.2	89.3	89.5	89.6	89.8	90.0
≥ 1500	59.3	77.2	81.7	84.8	87.0	87.7	89.2	90.0	90.4	91.1	91.5	91.6	91.9	92.0	92.1	92.3
≥ 1200	59.8	78.2	83.0	86.2	88.7	89.4	90.9	91.8	92.2	92.9	93.3	93.5	93.7	93.9	94.0	94.2
≥ 1000	59.9	78.6	83.5	86.8	89.4	90.1	91.7	92.6	93.0	93.8	94.2	94.4	94.6	94.7	94.9	95.1
≥ 900	59.9	78.7	83.7	87.0	89.7	90.4	92.1	93.0	93.4	94.2	94.6	94.8	95.0	95.1	95.3	95.5
≥ 800	60.0	78.7	83.9	87.3	90.0	90.8	92.5	93.4	93.8	94.6	95.0	95.2	95.4	95.5	95.7	95.9
≥ 700	60.1	79.1	84.2	87.6	90.4	91.2	92.9	93.9	94.3	95.0	95.5	95.7	95.9	96.0	96.2	96.4
≥ 600	60.1	79.2	84.3	87.6	90.4	91.3	93.1	94.1	94.5	95.2	95.7	95.9	96.1	96.2	96.4	96.6
≥ 500	60.1	79.2	84.3	87.8	90.6	91.5	93.3	94.3	94.8	95.6	96.1	96.3	96.5	96.6	96.8	97.0
≥ 400	60.1	79.2	84.4	87.8	90.7	91.6	93.4	94.5	95.0	95.8	96.4	96.6	96.9	97.0	97.2	97.4
≥ 300	60.1	79.2	84.4	87.8	90.7	91.6	93.5	94.6	95.2	96.1	97.1	97.4	97.6	97.8	98.0	98.1
≥ 200	60.1	79.2	84.4	87.9	90.7	91.6	93.5	94.6	95.2	96.1	97.1	97.4	97.8	98.0	98.1	98.2
≥ 100	60.1	79.2	84.4	87.9	90.7	91.6	93.5	94.7	95.2	96.2	97.1	97.4	97.8	98.1	98.4	98.6
≥ 0	60.1	79.2	84.4	87.9	90.7	91.6	93.5	94.7	95.2	96.2	97.2	97.4	97.9	98.1	98.5	98.8

TOTAL NUMBER OF OBSERVATIONS 7200

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

14701 STATION FORT LEWIS WASHINGTON/GRAY AAF 40,61-70 YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥0.75	≥0.5	≥0.25	≥0.16	≥0.1	≥0.05
NO CEILING	20.5	30.3	31.4	31.9	32.4	32.3	32.0	32.4	32.9	33.1	33.2	33.3	33.3	33.4	33.4	33.5
≥ 20000	12.0	20.1	37.3	37.9	38.4	38.3	38.6	38.0	38.9	39.2	39.3	39.3	39.4	39.5	39.5	39.6
≥ 18000	12.1	36.2	37.4	38.0	38.4	38.4	38.4	39.0	39.1	39.3	39.5	39.5	39.6	39.6	39.7	39.7
≥ 16000	12.5	36.6	37.8	38.4	38.8	38.9	39.2	39.4	39.5	39.7	39.9	39.9	40.0	40.0	40.1	40.1
≥ 14000	13.7	37.9	39.2	39.8	40.2	40.3	40.6	40.8	40.9	41.1	41.3	41.3	41.4	41.4	41.5	41.6
≥ 12000	15.3	39.6	40.8	41.5	41.9	41.9	42.3	42.5	42.6	42.8	43.1	43.1	43.1	43.1	43.2	43.3
≥ 10000	17.0	42.1	43.4	44.2	44.5	44.5	44.9	45.1	45.2	45.4	45.6	45.6	45.7	45.8	45.8	45.9
≥ 9000	18.8	43.6	44.9	45.6	46.1	46.1	46.5	46.7	46.8	47.0	47.2	47.2	47.3	47.3	47.4	47.5
≥ 8000	41.3	46.8	48.2	49.0	49.4	49.5	49.9	50.1	50.2	50.4	50.6	50.6	50.7	50.8	50.8	50.9
≥ 7000	45.3	51.1	52.6	53.4	53.8	53.9	54.3	54.5	54.6	54.9	55.1	55.1	55.2	55.2	55.3	55.4
≥ 6000	47.9	54.3	55.8	56.6	57.1	57.2	57.5	57.8	57.9	58.1	58.3	58.3	58.4	58.5	58.6	58.6
≥ 5000	50.8	58.4	59.2	61.0	61.6	61.7	62.2	62.4	62.5	62.7	63.0	63.0	63.1	63.1	63.2	63.3
≥ 4500	52.3	60.3	62.2	63.1	63.7	63.7	64.2	64.4	64.5	64.8	65.0	65.0	65.1	65.2	65.2	65.3
≥ 4000	55.6	64.3	66.3	67.2	67.8	67.9	68.4	68.7	68.8	69.0	69.2	69.2	69.4	69.4	69.5	69.6
≥ 3500	59.5	69.1	71.4	72.3	73.0	73.1	73.6	73.8	73.9	74.2	74.4	74.4	74.5	74.6	74.7	74.8
≥ 3000	64.1	75.3	77.7	78.6	79.0	79.7	80.2	80.5	80.6	81.8	81.1	81.1	81.2	81.3	81.3	81.5
≥ 2500	77.7	79.8	82.5	83.8	84.6	84.3	85.3	85.5	85.6	85.9	86.2	86.2	86.3	86.4	86.4	86.5
≥ 2000	71.7	85.0	87.9	89.2	90.1	90.4	90.9	91.1	91.2	91.5	91.8	91.8	91.9	92.0	92.0	92.1
≥ 1800	71.7	85.5	88.5	89.9	90.7	91.0	91.5	91.8	91.9	92.2	92.4	92.5	92.6	92.6	92.7	92.8
≥ 1500	72.2	86.6	89.8	91.2	92.3	92.5	93.1	93.4	93.5	93.8	94.0	94.1	94.2	94.3	94.3	94.4
≥ 1200	72.7	87.7	91.1	92.0	93.7	93.9	94.0	94.9	95.0	95.5	95.5	95.6	95.8	95.8	95.9	96.0
≥ 1000	72.9	88.1	91.5	93.1	94.2	94.5	95.2	95.5	95.6	95.9	96.2	96.2	96.4	96.4	96.5	96.6
≥ 900	72.9	88.2	91.7	93.3	94.5	94.8	95.4	95.8	95.9	96.2	96.5	96.5	96.6	96.7	96.7	96.9
≥ 800	73.0	88.4	91.9	93.6	94.9	95.1	95.9	96.2	96.3	96.6	96.9	97.0	97.1	97.1	97.2	97.3
≥ 700	73.1	88.5	92.1	93.9	95.1	95.4	96.2	96.6	96.7	97.0	97.3	97.4	97.5	97.5	97.6	97.7
≥ 600	73.1	88.5	92.2	94.0	95.3	95.6	96.3	96.7	96.9	97.2	97.5	97.6	97.7	97.7	97.8	97.9
≥ 500	73.1	88.6	92.3	94.2	95.5	95.8	96.6	97.0	97.2	97.6	97.9	97.9	98.1	98.1	98.2	98.3
≥ 400	73.1	88.6	92.3	94.2	95.6	95.9	96.7	97.2	97.4	97.8	98.2	98.2	98.4	98.4	98.5	98.7
≥ 300	73.1	88.6	92.3	94.3	95.7	96.0	96.9	97.5	97.6	98.1	98.5	98.5	98.7	98.8	99.0	99.1
≥ 200	73.1	88.6	92.3	94.3	95.7	96.0	96.9	97.5	97.7	98.2	98.6	98.7	98.9	99.1	99.1	99.7
≥ 100	73.1	88.6	92.3	94.3	95.7	96.0	96.9	97.5	97.7	98.2	98.6	98.7	98.9	99.1	99.1	99.7
≥ 0	73.1	88.6	92.3	94.3	95.7	96.0	96.9	97.5	97.7	98.2	98.6	98.7	98.9	99.1	99.1	99.7

TOTAL NUMBER OF OBSERVATIONS 1925

USAFETAC FORM 0-14-1 (OL 1) PREVIOUS EDITION OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

UNIT LEWIS WASHINGTON/GRAY AAF

39-40201-70

YEARS

PER MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	26.8	29.1	29.8	30.1	30.5	30.4	30.5	30.6	30.6	30.8	30.8	30.8	30.8	30.8	30.8	30.9
≥ 20000	14.7	17.6	18.4	18.9	19.2	19.3	19.3	19.5	19.6	19.7	19.8	19.8	19.8	19.8	19.8	19.9
≥ 18000	11.9	17.8	18.6	19.1	19.5	19.6	19.8	19.8	19.9	20.0	20.1	20.1	20.1	20.1	20.1	20.1
≥ 16000	15.1	18.0	18.9	19.4	19.7	19.8	20.0	20.0	20.1	20.3	20.3	20.3	20.3	20.3	20.3	20.4
≥ 14000	18.0	18.9	19.8	20.3	20.6	20.7	20.9	21.0	21.0	21.2	21.2	21.2	21.3	21.3	21.3	21.3
≥ 12000	17.3	20.3	21.2	21.7	22.1	22.1	22.4	22.4	22.5	22.6	22.7	22.7	22.7	22.7	22.7	22.7
≥ 10000	19.7	23.0	24.0	24.5	24.8	24.9	25.1	25.2	25.3	25.4	25.4	25.4	25.5	25.5	25.5	25.5
≥ 9000	20.9	24.4	25.3	25.8	26.2	26.2	26.5	26.5	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.9
≥ 8000	23.8	27.0	28.7	29.2	29.5	29.6	29.9	29.9	30.0	30.2	30.2	30.2	30.2	30.2	30.2	30.3
≥ 7000	27.8	32.0	33.1	33.7	34.1	34.1	34.4	34.5	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.9
≥ 6000	30.3	34.7	36.0	36.6	37.0	37.1	37.3	37.4	37.5	37.6	37.7	37.7	37.7	37.7	37.7	37.7
≥ 5000	33.5	38.3	39.6	40.3	40.7	40.8	41.0	41.1	41.2	41.4	41.4	41.4	41.5	41.5	41.5	41.5
≥ 4500	35.8	41.0	42.4	43.0	43.5	43.5	43.8	43.9	44.0	44.1	44.2	44.2	44.2	44.2	44.2	44.3
≥ 4000	40.2	46.0	47.5	48.2	48.6	48.7	49.0	49.1	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.5
≥ 3500	44.4	50.7	52.3	53.0	53.5	53.6	53.9	54.0	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.4
≥ 3000	49.2	56.2	58.0	58.8	59.3	59.5	59.8	59.9	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.3
≥ 2500	54.6	62.3	64.2	65.0	65.7	65.8	66.1	66.2	66.3	66.5	66.5	66.5	66.6	66.6	66.6	66.6
≥ 2000	58.6	67.4	69.5	70.4	71.2	71.3	71.7	71.8	71.9	72.1	72.2	72.2	72.2	72.2	72.2	72.2
≥ 1800	59.4	68.3	70.4	71.4	72.1	72.2	72.6	72.8	72.9	73.0	73.1	73.1	73.1	73.2	73.2	73.2
≥ 1600	60.3	69.8	72.0	73.1	73.8	74.0	74.4	74.6	74.6	74.8	74.9	74.9	74.9	74.9	74.9	75.0
≥ 1400	61.0	70.8	73.2	74.4	75.2	75.3	75.8	76.0	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.4
≥ 1200	61.4	71.3	73.8	75.1	75.9	76.1	76.6	76.9	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2
≥ 1000	61.4	71.3	73.8	75.1	75.9	76.1	76.6	76.9	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2
≥ 900	61.4	71.3	73.8	75.1	75.9	76.1	76.6	76.9	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2
≥ 800	61.4	71.3	73.8	75.1	75.9	76.1	76.6	76.9	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2
≥ 700	61.4	71.3	73.8	75.1	75.9	76.1	76.6	76.9	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2
≥ 600	61.4	71.3	73.8	75.1	75.9	76.1	76.6	76.9	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2
≥ 500	61.4	71.3	73.8	75.1	75.9	76.1	76.6	76.9	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2
≥ 400	61.4	71.3	73.8	75.1	75.9	76.1	76.6	76.9	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2
≥ 300	61.4	71.3	73.8	75.1	75.9	76.1	76.6	76.9	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2
≥ 200	61.4	71.3	73.8	75.1	75.9	76.1	76.6	76.9	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2
≥ 100	61.4	71.3	73.8	75.1	75.9	76.1	76.6	76.9	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2
≥ 0	61.4	71.3	73.8	75.1	75.9	76.1	76.6	76.9	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2

TOTAL NUMBER OF OBSERVATIONS 11424

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,61-70
YEARS

AY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥0.75	≥0.5	≥0.25	≥0.16	≥0.1	≥0
NO CEILING	38.1	40.4	40.8	41.1	41.3	41.4	41.5	41.5	41.6	41.6	41.6	41.7	41.7	41.7	41.7	41.7
≥20000	45.9	45.4	48.9	49.2	49.5	49.6	49.7	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9
≥18000	46.0	48.5	49.0	49.3	49.6	49.7	49.8	49.9	49.9	49.9	49.9	50.0	50.0	50.0	50.0	50.0
≥16000	46.2	48.6	49.2	49.5	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.2	50.2	50.2	50.3	50.3
≥14000	47.5	50.0	50.4	50.7	51.1	51.2	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5
≥12000	48.9	51.4	51.9	52.2	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.9	52.9	52.9	53.0	53.0
≥10000	50.9	53.6	54.1	54.4	54.7	54.8	54.9	55.0	55.0	55.0	55.0	55.1	55.1	55.1	55.1	55.1
≥9000	52.0	54.7	55.2	55.5	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.3	56.3
≥8000	54.9	57.9	58.3	58.6	59.0	59.1	59.2	59.2	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.4
≥7000	58.1	61.3	61.8	62.1	62.5	62.6	62.7	62.7	62.7	62.8	62.8	62.8	62.9	62.9	62.9	62.9
≥6000	60.6	64.0	64.5	64.8	65.2	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6
≥5000	64.3	68.1	68.6	69.0	69.4	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8
≥4500	67.0	71.0	71.6	71.9	72.3	72.4	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.8	72.8
≥4000	69.8	74.2	74.8	75.2	75.6	75.7	75.8	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.1	76.1
≥3500	73.6	78.3	79.0	79.4	79.8	79.9	80.1	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.4	80.4
≥3000	77.9	83.0	83.8	84.3	84.7	84.8	85.0	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.3	85.3
≥2500	81.4	86.9	87.8	88.3	88.8	88.9	89.1	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.4	89.4
≥2000	84.8	90.9	91.8	92.4	92.9	93.1	93.3	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.6	93.6
≥1500	87.4	93.3	94.3	94.9	95.5	95.6	95.8	95.9	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1
≥1200	87.4	94.3	95.3	96.0	96.6	96.7	96.9	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2
≥1000	87.7	94.7	95.9	96.6	97.2	97.4	97.6	97.7	97.8	97.8	97.9	97.9	97.9	97.9	98.0	98.0
≥900	87.7	94.9	96.1	96.9	97.5	97.7	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3
≥800	87.8	95.1	96.4	97.1	97.8	98.0	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
≥700	87.8	95.2	96.6	97.3	98.0	98.2	98.5	98.6	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9
≥600	87.8	95.3	96.7	97.5	98.2	98.3	98.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥500	87.8	95.4	96.8	97.6	98.2	98.4	98.8	98.9	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2
≥400	87.9	95.4	96.8	97.6	98.4	98.6	99.0	99.1	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4
≥300	87.9	95.5	96.9	97.7	98.4	98.6	99.0	99.1	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.7
≥200	87.9	95.5	96.9	97.7	98.4	98.6	99.0	99.1	99.2	99.4	99.5	99.5	99.6	99.6	99.7	99.7
≥100	87.9	95.5	96.9	97.7	98.4	98.6	99.0	99.1	99.2	99.4	99.5	99.5	99.6	99.7	99.8	100.0
≥0	87.9	95.5	96.9	97.7	98.4	98.6	99.0	99.1	99.2	99.4	99.5	99.5	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3021

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,60-70
YEARS

11
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	41.9	44.0	44.4	44.6	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 20000	47.4	49.6	50.0	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.6
≥ 18000	47.4	49.7	50.1	50.3	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7
≥ 16000	47.6	49.9	50.4	50.6	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 14000	48.5	50.9	51.3	51.5	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 12000	50.3	52.7	53.2	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7
≥ 10000	51.8	54.3	54.7	55.0	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.3
≥ 9000	52.8	55.3	55.8	56.0	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 8000	54.8	57.5	58.0	58.2	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6
≥ 7000	57.5	61.4	60.9	61.1	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.5
≥ 6000	60.1	63.0	63.6	63.8	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2
≥ 5000	63.4	66.7	67.3	67.6	67.8	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 4500	65.5	68.9	69.5	69.8	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 4000	68.6	72.2	72.9	73.2	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5
≥ 3500	72.5	76.3	77.0	77.3	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7
≥ 3000	76.7	80.9	81.7	82.0	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4
≥ 2500	80.7	85.3	86.1	86.5	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9
≥ 2000	84.4	89.6	90.4	90.8	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4
≥ 1800	85.3	90.4	91.3	91.7	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3
≥ 1500	86.3	91.6	92.6	93.0	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6
≥ 1200	87.3	93.1	94.3	94.8	95.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.5	95.5
≥ 1000	87.8	93.9	95.1	95.6	96.1	96.2	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.6
≥ 900	88.0	94.3	95.6	96.2	96.7	96.8	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.2
≥ 800	88.3	94.8	96.2	96.8	97.4	97.5	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.9
≥ 700	88.4	95.1	96.5	97.3	97.9	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
≥ 600	88.4	95.2	96.8	97.6	98.3	98.4	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.9
≥ 500	88.5	95.4	97.0	97.9	98.6	98.8	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4
≥ 400	88.5	95.4	97.0	98.0	98.8	99.0	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 300	88.5	95.4	97.0	98.0	98.8	99.0	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8
≥ 200	88.5	95.4	97.0	98.0	98.8	99.0	99.3	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 100	88.5	95.4	97.0	98.0	98.8	99.0	99.3	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0
≥ 0	88.5	95.4	97.0	98.0	98.8	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 3948

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24291
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,60-70
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥½
NO CEILING	55.3	57.7	58.1	58.1	58.3	58.7	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000	59.8	62.5	63.0	63.0	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.4
≥ 18000	59.8	62.6	63.0	63.1	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 16000	60.0	62.7	63.2	63.2	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.6
≥ 14000	60.7	63.4	63.9	64.0	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 12000	61.6	64.3	64.8	64.9	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3
≥ 10000	62.9	65.7	66.2	66.3	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 9000	63.7	66.5	67.0	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8000	65.5	68.4	68.9	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3
≥ 7000	67.1	70.1	70.6	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0
≥ 6000	68.6	71.6	72.1	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6
≥ 5000	71.2	74.5	75.0	75.1	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4500	72.8	76.0	76.5	76.7	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	75.2	78.5	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3500	77.9	81.4	82.0	82.2	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3000	81.3	85.0	85.6	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2
≥ 2500	84.1	88.0	88.6	88.8	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2000	86.2	90.3	91.1	91.3	91.6	91.6	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1800	86.9	91.2	92.0	92.2	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7
≥ 1500	88.3	92.7	93.6	93.8	94.1	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	89.5	94.2	95.1	95.4	95.7	95.7	95.8	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0
≥ 1000	90.0	94.9	95.8	96.1	96.4	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8
≥ 900	90.2	95.2	96.2	96.5	96.9	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	90.3	95.4	96.5	96.8	97.2	97.3	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	90.4	95.7	96.8	97.2	97.6	97.7	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	90.6	95.9	97.1	97.6	98.0	98.1	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
≥ 500	90.6	96.1	97.2	97.8	98.2	98.3	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	90.6	96.1	97.3	97.9	98.4	98.5	98.8	99.0	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3
≥ 300	90.6	96.1	97.3	97.9	98.4	98.6	98.9	99.1	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6
≥ 200	90.6	96.1	97.4	97.9	98.4	98.6	98.9	99.1	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	90.6	96.1	97.4	97.9	98.4	98.6	99.0	99.1	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8
≥ 0	90.6	96.1	97.4	97.9	98.4	98.6	99.0	99.1	99.2	99.5	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 9013

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

11
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
MONTH

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	43.5	48.2	49.8	50.4	50.8	50.8	51.1	51.2	51.7	51.2	51.3	51.3	51.3	51.3	51.4	51.4
≥ 20000	47.2	52.4	54.1	54.8	55.2	55.3	55.7	55.8	55.9	55.7	55.9	55.9	56.0	56.0	56.0	56.0
≥ 18000	47.3	52.5	54.2	54.9	55.3	55.4	55.8	55.9	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1
≥ 16000	47.5	52.7	54.4	55.0	55.5	55.6	56.0	56.1	56.1	56.2	56.2	56.2	56.2	56.3	56.3	56.3
≥ 14000	48.6	53.9	55.6	56.3	56.8	56.8	57.2	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.6	57.6
≥ 12000	49.7	55.3	57.1	57.7	58.2	58.3	58.7	58.8	58.8	58.9	58.9	58.9	59.0	59.0	59.0	59.0
≥ 10000	50.4	56.5	58.2	58.9	59.4	59.5	59.9	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2
≥ 9000	51.5	57.2	59.1	59.8	60.2	60.3	60.7	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0
≥ 8000	53.7	59.9	61.8	62.5	62.9	63.0	63.4	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 7000	55.2	61.9	63.7	64.4	64.9	65.0	65.4	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7
≥ 6000	56.9	63.7	65.6	66.3	66.8	66.9	67.3	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6
≥ 5000	59.9	66.9	68.9	69.6	70.1	70.2	70.7	70.8	70.8	70.9	70.9	71.0	71.0	71.0	71.0	71.0
≥ 4500	61.4	68.6	70.6	71.4	71.9	72.0	72.4	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.8	72.8
≥ 4000	63.9	71.5	73.6	74.4	74.9	75.0	75.5	75.6	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8
≥ 3500	66.6	74.4	76.6	77.4	78.0	78.1	78.5	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.9	78.9
≥ 3000	69.3	77.4	79.7	80.5	81.1	81.2	81.6	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.0
≥ 2500	72.3	80.7	83.2	84.0	84.6	84.8	85.2	85.4	85.4	85.5	85.5	85.5	85.5	85.6	85.6	85.6
≥ 2000	75.7	84.7	87.3	88.1	88.8	88.9	89.4	89.6	89.6	89.7	89.7	89.7	89.8	89.8	89.8	89.8
≥ 1800	76.7	85.8	88.5	89.3	90.0	90.2	90.7	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.1	91.1
≥ 1500	78.3	87.6	90.5	91.4	92.1	92.3	92.8	93.0	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2
≥ 1200	79.8	89.5	92.5	93.5	94.2	94.4	95.0	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4
≥ 1000	80.4	90.3	93.4	94.4	95.2	95.4	96.0	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.5	96.5
≥ 900	80.7	90.5	93.7	94.8	95.6	95.8	96.4	96.6	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.9
≥ 800	80.9	90.9	94.1	95.2	96.0	96.3	96.9	97.1	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.4
≥ 700	81.1	91.2	94.5	95.6	96.5	96.8	97.4	97.6	97.7	97.7	97.8	97.8	97.9	97.9	97.9	97.9
≥ 600	81.1	91.4	94.6	95.8	96.8	97.0	97.6	97.8	97.9	98.0	98.1	98.1	98.2	98.2	98.3	98.3
≥ 500	81.2	91.6	94.8	96.0	97.0	97.3	97.9	98.2	98.3	98.4	98.4	98.4	98.7	98.7	98.7	98.7
≥ 400	81.2	91.6	94.9	96.1	97.2	97.4	98.1	98.4	98.5	98.5	98.5	98.9	98.9	99.1	99.1	99.1
≥ 300	81.2	91.7	95.0	96.2	97.3	97.6	98.3	98.6	98.7	98.7	98.7	99.0	99.2	99.2	99.4	99.4
≥ 200	81.2	91.7	95.0	96.2	97.3	97.6	98.3	98.7	98.8	98.8	98.8	99.0	99.2	99.3	99.5	99.5
≥ 100	81.2	91.7	95.0	96.2	97.3	97.6	98.3	98.7	98.8	98.8	98.8	99.1	99.2	99.3	99.6	99.6
≥ 0	81.2	91.7	95.0	96.2	97.3	97.6	98.3	98.7	98.8	98.8	98.8	99.1	99.2	99.3	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 2317

USAFETAC

FORM
JUL 64

0 14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

26201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0	
NO CEILING	52.7	41.4	43.9	46.5	48.2	48.8	49.8	50.4	50.5	51.0	51.2	51.7	51.5	51.6	51.7	52.0
≥ 20000	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 18000	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 16000	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 14000	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 12000	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 10000	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 9000	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 8000	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 7000	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 6000	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 5000	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 4500	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 4000	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 3500	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 3000	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 2500	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 2000	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 1800	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 1500	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 1200	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 1000	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 900	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 800	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 700	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 600	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 500	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 400	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 300	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 200	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 100	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9
≥ 0	52.5	41.3	43.8	46.4	48.1	48.7	49.7	50.3	50.4	50.9	51.1	51.6	51.4	51.5	51.6	51.9

TOTAL NUMBER OF OBSERVATIONS 6217

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39.60-70
YEARS

CT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1½	≥1	≥½	≥½	≥½	≥½	≥5/16	≥½
NO CEILING	20.7	26.2	28.1	29.6	31.0	31.5	32.3	32.9	33.2	33.6	34.0	34.1	34.5	34.8	35.1	35.7
≥ 20000	25.6	32.2	34.5	36.3	37.9	38.5	39.4	40.1	40.3	40.6	41.3	41.4	41.9	42.2	42.5	43.1
≥ 18000	25.7	32.3	34.6	36.4	38.0	38.6	39.5	40.2	40.5	40.9	41.4	41.5	42.0	42.3	42.6	43.2
≥ 16000	25.9	32.5	34.9	36.7	38.3	38.9	39.9	40.5	40.8	41.2	41.7	41.7	42.3	42.6	42.9	43.6
≥ 14000	27.1	33.7	36.1	37.9	39.6	40.2	41.2	41.8	42.1	42.5	43.0	43.2	43.7	43.9	44.3	44.9
≥ 12000	28.3	35.5	38.0	39.9	41.6	42.2	43.2	43.9	44.2	44.7	45.2	45.3	45.8	46.1	46.4	47.1
≥ 10000	30.2	37.9	40.5	42.5	44.1	44.8	45.8	46.5	46.8	47.3	47.8	48.0	48.4	48.7	49.0	49.7
≥ 9000	31.3	39.2	41.8	43.9	45.6	46.3	47.3	48.0	48.3	48.6	49.3	49.5	49.9	50.2	50.6	51.2
≥ 8000	34.3	42.9	45.7	47.9	49.7	50.4	51.5	52.2	52.5	53.0	53.5	53.7	54.2	54.5	54.8	55.5
≥ 7000	36.6	45.0	49.0	51.3	53.1	53.9	55.0	55.7	56.0	56.6	57.1	57.2	57.7	58.0	58.3	59.0
≥ 6000	38.0	47.9	50.9	53.4	55.2	56.1	57.2	58.0	58.3	58.8	59.3	59.5	60.0	60.3	60.6	61.3
≥ 5000	40.3	51.3	54.6	57.2	59.2	60.0	61.2	61.9	62.3	62.8	63.3	63.5	64.0	64.2	64.6	65.3
≥ 4500	41.7	53.5	57.1	59.6	61.6	62.5	63.6	64.4	64.7	65.3	65.8	66.0	66.5	66.7	67.1	67.7
≥ 4000	44.7	57.2	60.9	63.5	65.7	66.5	67.7	68.5	68.9	69.4	69.9	70.1	70.6	70.9	71.2	71.9
≥ 3500	46.8	60.1	64.1	66.8	69.0	69.9	71.1	71.8	72.2	72.8	73.3	73.5	74.0	74.3	74.6	75.3
≥ 3000	49.1	63.2	67.5	70.4	72.7	73.6	74.9	75.7	76.0	76.6	77.1	77.3	77.8	78.1	78.4	79.1
≥ 2500	51.5	66.5	71.2	74.3	76.7	77.6	79.0	79.9	80.2	80.8	81.4	81.6	82.1	82.3	82.7	83.4
≥ 2000	53.5	69.6	74.5	77.8	80.3	81.3	82.8	83.6	84.0	84.6	85.1	85.4	85.9	86.1	86.5	87.2
≥ 1800	53.9	70.1	75.1	78.4	81.1	82.1	83.6	84.4	84.8	85.4	85.9	86.1	86.6	86.9	87.3	88.0
≥ 1500	54.6	71.1	76.2	79.6	82.4	83.4	85.0	85.9	86.3	86.9	87.5	87.7	88.2	88.5	88.8	89.5
≥ 1200	55.1	71.8	76.9	80.5	83.3	84.4	86.0	87.0	87.4	88.1	88.6	88.8	89.4	89.6	90.0	90.7
≥ 1000	55.2	72.1	77.4	81.0	84.0	85.0	86.7	87.8	88.2	88.8	89.4	89.6	90.1	90.4	90.7	91.4
≥ 900	55.2	72.2	77.6	81.3	84.4	85.4	87.1	88.2	88.6	89.3	89.8	90.0	90.5	90.8	91.2	91.9
≥ 800	55.2	72.4	77.6	81.5	84.8	85.9	87.8	89.0	89.4	90.1	90.6	90.7	91.4	91.6	92.0	92.7
≥ 700	55.3	72.5	77.9	81.8	85.1	86.2	88.2	89.4	89.9	90.6	91.2	91.4	91.9	92.2	92.5	93.2
≥ 600	55.4	72.6	78.0	81.9	85.4	86.6	88.7	90.0	90.4	91.2	91.8	92.0	92.5	92.8	93.2	93.9
≥ 500	55.4	72.6	78.1	82.0	85.5	86.8	89.0	90.5	91.0	91.9	92.5	92.7	93.3	93.5	93.9	94.6
≥ 400	55.4	72.6	78.1	82.1	85.6	86.9	89.3	90.8	91.4	92.3	93.1	93.3	93.9	94.2	94.5	95.2
≥ 300	55.4	72.7	78.2	82.1	85.7	87.0	89.4	91.0	91.6	92.7	93.6	93.9	94.5	94.8	95.3	96.0
≥ 200	55.4	72.7	78.2	82.2	85.7	87.0	89.4	91.2	91.8	92.9	93.9	94.3	95.1	95.5	96.1	97.2
≥ 100	55.4	72.7	78.2	82.2	85.7	87.0	89.4	91.2	91.8	93.0	94.0	94.4	95.3	95.9	96.5	97.6
≥ 0	55.4	72.7	78.2	82.2	85.7	87.0	89.4	91.2	91.8	93.0	94.0	94.4	95.4	95.9	96.6	97.6

TOTAL NUMBER OF OBSERVATIONS 2425

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

13V
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.4	≥.3	≥.25	≥.2
NO CEILING	16.3	20.5	21.5	22.0	22.6	22.7	23.3	23.5	23.6	24.0	24.3	24.4	24.8	24.8	25.0	25.2
≥ 20000	21.4	26.4	27.4	28.1	28.8	29.0	29.6	29.9	30.1	30.6	30.9	30.9	31.4	31.4	31.6	31.9
≥ 18000	21.4	26.5	27.5	28.3	29.0	29.2	29.8	30.2	30.3	30.6	31.1	31.2	31.6	31.7	31.9	32.2
≥ 16000	21.7	26.8	27.9	28.6	29.4	29.6	30.2	30.5	30.6	31.1	31.5	31.5	31.9	32.0	32.2	32.5
≥ 14000	22.6	28.0	29.2	30.0	30.8	31.0	31.7	32.0	32.1	32.6	33.0	33.0	33.5	33.5	33.7	34.0
≥ 12000	23.7	29.5	30.8	31.6	32.5	32.8	33.5	33.8	34.0	34.5	34.8	34.9	35.3	35.4	35.6	35.9
≥ 10000	25.5	32.2	33.6	34.5	35.5	35.7	36.5	36.9	37.0	37.5	37.9	38.0	38.4	38.5	38.7	39.0
≥ 9000	26.9	34.3	35.9	36.9	37.9	38.2	39.0	39.4	39.6	40.1	40.5	40.5	41.0	41.0	41.3	41.6
≥ 8000	29.8	38.5	40.4	41.6	42.7	43.1	43.9	44.4	44.5	45.0	45.4	45.5	45.9	46.0	46.2	46.6
≥ 7000	32.4	42.4	44.5	45.7	47.0	47.3	48.2	48.7	48.9	49.5	49.9	49.9	50.4	50.4	50.7	51.0
≥ 6000	34.0	44.6	46.9	48.3	49.6	50.1	51.0	51.6	51.8	52.5	52.9	52.9	53.4	53.5	53.7	54.1
≥ 5000	36.8	49.0	51.5	53.0	54.4	54.9	56.0	56.7	56.9	57.6	58.0	58.1	58.5	58.6	58.7	59.2
≥ 4500	38.5	51.5	54.2	55.8	57.3	57.8	58.9	59.6	59.8	60.5	61.0	61.0	61.5	61.5	61.9	62.2
≥ 4000	41.2	55.7	58.8	60.6	62.3	62.8	63.9	64.6	64.8	65.6	66.0	66.1	66.5	66.6	66.9	67.2
≥ 3500	43.4	59.6	63.1	65.2	67.0	67.0	68.8	69.6	69.8	70.5	71.0	71.0	71.5	71.6	71.8	72.2
≥ 3000	45.8	63.2	67.1	69.4	71.3	72.0	73.2	74.0	74.2	75.0	75.6	75.6	76.1	76.1	76.4	76.8
≥ 2500	48.0	66.6	70.7	73.2	75.3	76.0	77.2	78.1	78.4	79.2	79.8	79.9	80.3	80.4	80.7	81.1
≥ 2000	49.5	69.5	74.0	76.7	79.0	79.7	81.0	81.9	82.3	83.3	83.9	83.9	84.4	84.5	84.7	85.1
≥ 1800	49.7	69.8	74.3	77.1	79.4	80.2	81.5	82.4	82.8	83.8	84.4	84.4	84.9	85.0	85.2	85.7
≥ 1500	50.3	71.0	75.7	78.6	81.0	81.8	83.2	84.2	84.6	85.6	86.2	86.3	86.7	86.8	87.1	87.5
≥ 1200	50.8	71.9	76.8	79.8	82.4	83.2	84.7	85.8	86.2	87.3	87.9	87.9	88.4	88.5	88.8	89.2
≥ 1000	51.0	72.3	77.1	80.3	82.9	83.8	85.4	86.5	86.9	88.0	88.6	88.7	89.1	89.2	89.5	89.9
≥ 900	51.0	72.4	77.4	80.5	83.2	84.2	85.8	86.9	87.3	88.4	89.1	89.2	89.6	89.7	90.0	90.4
≥ 800	51.1	72.6	77.6	80.9	83.7	84.7	86.4	87.5	88.0	89.1	89.8	89.8	90.3	90.4	90.6	91.1
≥ 700	51.1	72.7	77.7	81.0	83.9	84.9	86.7	87.7	88.3	89.3	90.2	90.2	90.7	90.8	91.1	91.5
≥ 600	51.1	72.8	77.9	81.3	84.2	85.4	87.1	88.4	88.9	90.1	90.8	90.9	91.3	91.4	91.7	92.1
≥ 500	51.1	72.9	78.1	81.5	84.5	85.8	87.7	89.1	89.7	90.9	91.8	91.8	92.3	92.4	92.7	93.2
≥ 400	51.2	73.0	78.1	81.6	84.8	86.2	88.2	89.7	90.5	92.0	92.8	92.8	93.4	93.6	93.9	94.4
≥ 300	51.2	73.0	78.2	81.7	85.0	86.4	88.6	90.6	91.2	92.9	94.0	94.1	94.7	94.9	95.2	95.9
≥ 200	51.2	73.0	78.2	81.7	85.0	86.5	88.8	90.3	91.5	93.4	94.7	94.8	95.5	95.8	96.3	97.1
≥ 100	51.2	73.0	78.2	81.7	85.0	86.5	88.8	90.8	91.5	93.4	94.8	94.9	95.7	96.1	96.7	99.2
≥ 0	51.2	73.0	78.2	81.7	85.0	86.5	88.8	90.8	91.6	93.4	94.8	94.9	95.8	96.2	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 537

DATA PROCESSING DIVISION
USAF ETAC
AIR MEAT ER SERVICE/TAC

CEILING VERSUS VISIBILITY

24201
STATION

FBI LT WIS WASHINGTON/GRAY AAF
STATION NAME

49,60-70
YEARS

1-1-1
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-1-1
HOURS EST.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	12.3	15.0	15.7	16.1	16.5	16.6	16.9	17.2	17.3	17.7	17.8	17.9	18.1	18.1	18.5	18.6
≥ 20000	15.5	18.6	19.5	20.0	20.4	20.6	20.9	21.4	21.5	22.0	22.1	22.1	22.4	22.6	22.6	23.1
≥ 18000	15.6	18.9	19.6	20.2	20.5	20.7	21.0	21.5	21.6	22.1	22.2	22.2	22.5	22.7	22.9	23.2
≥ 16000	15.9	19.1	19.9	20.4	20.8	21.0	21.3	21.8	21.9	22.4	22.5	22.5	22.9	23.0	23.2	23.6
≥ 14000	16.6	20.1	20.9	21.4	21.8	22.0	22.3	22.8	22.9	23.4	23.5	23.5	23.9	24.0	24.2	24.6
≥ 12000	17.9	21.6	22.4	23.0	23.4	23.6	24.0	24.4	24.5	25.0	25.2	25.2	25.5	25.7	25.7	26.3
≥ 10000	20.0	24.2	25.1	25.7	26.2	26.4	26.8	27.2	27.3	27.8	28.0	28.0	28.4	28.5	28.7	29.1
≥ 8000	21.2	25.7	26.6	27.3	27.8	28.0	28.4	28.9	29.0	29.5	29.6	29.7	30.0	30.1	30.4	30.7
≥ 6000	23.8	29.4	30.5	31.4	32.0	32.2	32.7	33.3	33.4	33.8	34.0	34.1	34.4	34.6	34.8	35.2
≥ 4000	26.4	33.5	35.0	35.9	36.5	36.8	37.3	37.8	37.9	38.5	38.7	38.7	39.1	39.2	39.5	39.9
≥ 3000	28.0	35.7	38.2	39.3	39.9	40.2	40.8	41.4	41.5	42.1	42.3	42.4	42.7	42.9	43.1	43.5
≥ 2500	31.7	41.6	43.5	44.7	45.4	45.8	46.3	47.1	47.3	47.9	48.1	48.2	48.5	48.7	49.0	49.3
≥ 2000	33.4	44.0	46.1	47.4	48.4	48.7	49.6	50.3	50.4	51.1	51.3	51.4	51.7	51.9	52.2	52.5
≥ 1800	35.8	47.8	50.1	51.8	52.9	53.3	54.4	55.2	55.4	56.2	56.4	56.4	56.8	57.0	57.2	57.6
≥ 1600	38.0	51.3	54.2	55.9	57.3	57.8	58.9	59.9	60.1	60.9	61.1	61.2	61.5	61.7	62.0	62.3
≥ 1400	40.4	55.3	58.7	60.7	62.3	62.8	64.2	65.2	65.4	66.4	66.6	66.7	67.1	67.3	67.6	68.0
≥ 1200	42.5	59.5	63.6	65.7	67.7	68.3	69.8	71.0	71.3	72.4	72.6	72.7	73.1	73.3	73.6	74.0
≥ 1000	44.5	63.3	67.8	70.3	72.5	73.3	74.9	76.3	76.6	77.7	78.0	78.1	78.5	78.7	79.0	79.4
≥ 900	44.9	63.9	68.4	71.0	73.3	74.0	75.7	77.1	77.4	78.5	78.9	79.0	79.4	79.5	79.8	80.2
≥ 800	45.6	65.2	69.9	72.6	75.1	75.9	77.7	79.1	79.4	80.6	81.0	81.1	81.5	81.7	82.0	82.4
≥ 700	45.9	66.6	71.4	74.5	77.1	78.1	80.0	81.4	81.8	83.1	83.4	83.5	83.9	84.1	84.4	84.8
≥ 600	46.1	67.2	72.3	75.4	78.2	79.2	81.2	82.8	83.2	84.5	84.9	85.0	85.5	85.5	86.0	86.4
≥ 500	46.2	67.4	72.5	75.7	78.6	79.7	81.8	83.4	83.9	85.2	85.6	85.7	86.2	86.3	86.6	87.0
≥ 400	46.2	67.6	72.8	76.2	79.2	80.3	82.4	84.1	84.5	85.9	86.4	86.6	87.0	87.2	87.5	87.9
≥ 300	46.2	67.8	73.1	76.5	79.6	80.7	82.8	84.7	85.1	86.6	87.1	87.2	87.7	87.8	88.2	88.6
≥ 200	46.3	68.0	73.3	76.8	80.1	81.3	83.5	85.4	85.9	87.4	87.9	88.1	88.6	88.7	89.1	89.5
≥ 100	46.3	68.1	73.5	77.2	80.6	81.7	84.4	86.4	86.9	88.6	89.2	89.4	89.9	90.2	90.5	90.9
≥ 0	46.3	68.2	73.7	77.5	81.1	82.5	85.2	87.5	88.1	90.0	90.8	91.0	91.6	91.8	92.2	92.7
≥ 0	46.3	68.2	73.7	77.6	81.3	82.8	85.7	88.6	89.3	91.7	93.0	93.3	94.5	95.0	96.0	96.6
≥ 0	46.3	68.2	73.7	77.6	81.3	82.8	85.7	88.6	89.3	91.7	93.0	93.5	94.5	95.1	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 24,111

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

40,61-69
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-0200
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	16.3	20.4	20.8	21.4	22.3	22.6	23.2	23.5	23.5	24.0	24.1	24.2	24.2	24.2	24.7	25.1
≥ 20000	16.3	21.5	24.3	25.1	25.9	26.2	26.9	27.1	27.2	27.6	27.7	27.7	27.8	27.8	28.4	28.7
≥ 18000	11.5	23.5	24.3	25.1	25.9	26.2	26.9	27.2	27.2	27.6	27.7	27.8	27.8	28.1	28.4	28.7
≥ 16000	11.5	23.5	24.3	25.1	25.9	26.2	26.9	27.2	27.2	27.6	27.7	27.7	27.8	28.1	28.4	28.7
≥ 14000	11.5	23.5	24.3	25.1	25.9	26.2	26.9	27.2	27.2	27.6	27.7	27.7	27.8	28.1	28.4	28.7
≥ 12000	11.5	24.1	25.2	25.9	26.8	27.2	27.8	28.2	28.2	28.6	28.7	28.8	28.8	29.0	29.4	29.7
≥ 10000	21.1	25.6	26.7	27.5	28.4	28.8	29.5	29.8	29.8	30.2	30.4	30.5	30.5	30.8	31.1	31.4
≥ 9000	21.1	27.6	29.0	29.9	30.8	31.5	32.2	32.5	32.5	32.9	33.1	33.2	33.2	33.4	33.8	34.1
≥ 8000	23.9	31.0	32.4	33.2	34.1	34.8	35.5	35.8	35.8	36.4	36.5	36.7	36.8	37.1	37.4	37.7
≥ 7000	26.2	34.4	36.3	37.2	38.1	38.8	39.5	39.6	39.6	40.2	40.5	40.7	40.9	41.2	41.5	41.8
≥ 6000	27.3	36.2	38.4	39.2	40.1	40.9	41.5	41.9	41.9	42.4	42.7	42.9	43.0	43.3	43.7	44.0
≥ 5000	28.2	40.3	43.4	44.3	45.3	46.1	46.8	47.4	47.4	47.8	48.2	48.4	48.5	48.8	49.1	49.5
≥ 4500	29.5	42.4	45.8	46.8	47.7	48.6	49.2	49.9	49.9	50.3	50.6	50.9	51.0	51.3	51.6	51.9
≥ 4000	29.9	46.0	49.6	51.1	52.2	53.0	53.7	54.4	54.4	54.8	55.2	55.4	55.5	55.8	56.1	56.5
≥ 3500	35.6	51.1	55.4	56.6	58.2	59.1	59.8	60.5	60.5	61.1	61.4	61.6	61.8	62.2	62.5	62.9
≥ 3000	37.5	54.5	59.0	60.8	62.2	63.2	64.0	64.9	64.9	65.4	65.7	65.9	66.1	66.5	66.8	67.1
≥ 2500	39.9	58.3	63.4	65.2	66.8	67.8	68.6	69.6	69.6	70.0	70.3	70.5	70.8	71.1	71.4	71.7
≥ 2000	40.8	61.5	67.5	69.7	71.8	72.9	73.8	74.9	74.9	75.4	75.7	75.9	76.1	76.5	76.8	77.1
≥ 1800	40.9	62.3	68.3	70.5	72.8	73.9	74.7	75.9	75.9	76.3	76.7	76.9	77.1	77.4	77.7	78.1
≥ 1500	41.4	63.8	70.0	72.4	74.8	75.7	76.9	78.3	78.3	78.7	79.0	79.2	79.5	79.8	80.1	80.4
≥ 1200	41.8	64.7	71.3	73.2	76.7	77.8	78.9	80.4	80.5	81.0	81.3	81.5	81.7	82.0	82.4	82.7
≥ 1000	41.9	65.2	71.6	74.7	77.6	78.9	80.0	81.6	82.0	82.5	82.8	83.0	83.2	83.5	83.9	84.2
≥ 900	41.9	65.3	71.9	75.2	78.1	79.4	80.4	82.0	82.5	83.0	83.3	83.5	83.8	84.1	84.4	84.7
≥ 800	42.0	65.8	72.7	76.2	79.2	80.5	81.7	83.4	84.0	84.5	84.8	85.1	85.3	85.6	85.9	86.2
≥ 700	42.0	65.9	72.8	76.6	79.6	80.9	82.0	83.8	84.3	84.9	85.3	85.5	85.7	86.0	86.3	86.7
≥ 600	42.0	66.0	73.3	77.1	80.4	81.7	83.0	84.8	85.5	86.2	86.7	86.9	87.2	87.6	88.0	88.3
≥ 500	42.0	66.1	73.7	77.6	81.0	82.3	83.7	85.7	86.3	87.1	87.5	87.7	88.1	88.5	88.8	89.1
≥ 400	42.0	66.1	73.8	77.7	81.1	82.4	83.9	86.0	86.8	88.0	88.4	89.1	89.5	89.9	90.2	90.5
≥ 300	42.0	66.1	73.8	77.7	81.1	82.5	84.0	86.2	87.0	88.2	89.2	89.6	90.2	90.6	91.1	91.5
≥ 200	42.0	66.1	73.8	77.6	81.3	82.7	84.5	87.0	88.0	89.1	90.4	90.9	91.9	92.6	93.2	93.7
≥ 100	42.0	66.1	74.1	78.1	81.5	82.9	84.7	87.2	88.2	89.4	90.5	91.2	92.3	92.9	94.0	94.7
≥ 0	42.0	65.1	74.1	74.1	81.5	82.9	84.7	87.2	88.3	89.5	90.8	91.3	92.4	93.0	94.2	95.1

TOTAL NUMBER OF OBSERVATIONS

120

USAF ETAC

FORM
JUL 64

0-1-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 'SAF ETAC'
 AIR WEATHER SERVICE/NAO

CEILING VERSUS VISIBILITY

24211
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

40,61-60
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-2500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.75	≥.7	≥.6
NO CEILING	14.3	17.5	19.4	20.0	20.3	20.5	20.8	21.0	21.1	21.1	21.4	21.4	21.5	21.5	21.5
≥ 20000	17.4	22.5	23.3	24.1	24.5	24.7	25.1	25.3	25.4	25.4	25.7	25.7	25.8	25.8	26.1
≥ 18000	17.4	22.5	23.3	24.1	24.5	24.7	25.1	25.3	25.4	25.4	25.7	25.7	25.8	25.8	26.1
≥ 16000	17.4	22.5	23.3	24.1	24.5	24.7	25.1	25.3	25.4	25.4	25.7	25.7	25.8	25.8	26.1
≥ 14000	17.8	23.0	23.9	24.6	25.1	25.3	25.6	25.8	25.9	25.9	26.2	26.2	26.3	26.3	26.7
≥ 12000	18.3	23.3	24.7	25.2	26.1	26.3	26.5	26.8	27.0	27.0	27.3	27.3	27.4	27.4	28.0
≥ 10000	19.4	25.0	26.5	27.3	28.0	28.2	28.5	28.8	28.9	28.9	29.2	29.2	29.4	29.4	29.9
≥ 9000	19.7	26.4	27.8	28.7	29.4	29.8	30.1	30.5	30.6	30.6	31.0	31.0	31.1	31.1	31.6
≥ 8000	21.5	29.7	30.5	31.6	32.3	32.7	33.2	33.8	33.9	34.0	34.3	34.3	34.4	34.4	34.9
≥ 7000	23.9	33.9	34.9	35.8	36.5	36.9	37.4	38.0	38.1	38.2	38.5	38.5	38.6	38.6	39.1
≥ 6000	25.5	36.2	37.5	38.4	39.0	39.5	40.0	40.5	40.6	40.6	41.1	41.1	41.2	41.2	41.7
≥ 5000	28.0	40.9	43.0	44.1	44.9	45.3	45.8	46.5	46.7	46.8	47.2	47.2	47.3	47.3	47.8
≥ 4500	31.2	43.1	45.5	46.7	47.6	48.1	48.7	49.5	49.7	49.8	50.2	50.2	50.3	50.3	50.9
≥ 4000	33.4	45.8	48.8	50.2	51.4	51.8	52.6	53.4	53.7	53.9	54.2	54.2	54.3	54.3	54.9
≥ 3500	35.4	51.5	54.7	56.2	57.4	57.8	58.7	59.8	60.0	60.1	60.5	60.5	60.6	60.6	61.2
≥ 3000	37.4	55.5	60.0	61.6	62.9	63.3	64.2	65.3	65.5	65.5	66.0	66.0	66.1	66.1	66.7
≥ 2500	39.0	59.7	64.9	65.5	66.9	67.3	68.2	69.2	69.5	69.8	70.2	70.2	70.3	70.3	70.9
≥ 2000	41.8	64.5	69.7	71.7	73.2	73.8	74.6	75.7	75.9	76.2	76.7	76.7	76.8	76.8	77.3
≥ 1800	41.8	64.9	70.2	72.3	73.8	74.3	75.2	76.2	76.6	76.9	77.3	77.3	77.4	77.4	77.9
≥ 1500	42.4	66.2	71.8	73.9	75.4	76.2	77.1	78.2	78.5	78.8	79.2	79.2	79.4	79.4	79.9
≥ 1200	42.8	68.0	74.0	76.1	78.1	78.9	79.8	81.2	81.6	81.9	82.4	82.4	82.5	82.5	83.0
≥ 1000	42.9	68.2	74.2	76.5	78.6	79.5	80.3	81.7	82.4	82.7	83.2	83.2	83.3	83.3	83.9
≥ 900	42.9	69.5	74.5	77.1	79.1	80.2	81.1	82.6	83.2	83.5	84.1	84.1	84.2	84.2	84.7
≥ 800	42.9	68.8	74.8	77.4	79.6	80.6	81.6	83.2	83.9	84.2	84.7	84.7	84.8	84.8	85.4
≥ 700	43.0	69.0	75.1	78.0	80.2	81.3	82.3	83.9	84.5	84.9	85.5	85.5	85.6	85.6	86.1
≥ 600	43.0	69.1	75.2	78.2	80.5	81.7	82.9	84.6	85.3	85.7	86.2	86.2	86.3	86.3	86.9
≥ 500	43.0	69.4	75.5	78.8	81.2	82.4	83.9	85.7	86.3	86.8	87.3	87.3	87.5	87.5	88.1
≥ 400	43.0	69.4	75.6	79.0	81.5	82.8	84.3	86.1	86.9	87.5	88.1	88.2	88.4	88.4	88.9
≥ 300	43.0	69.4	75.6	79.0	81.5	82.8	84.4	86.3	87.2	88.1	89.0	89.4	89.7	89.7	90.3
≥ 200	43.0	69.4	75.6	79.0	81.5	82.8	84.6	86.6	87.6	88.8	90.3	90.6	91.2	91.5	92.0
≥ 100	43.0	69.4	75.7	79.1	81.7	83.0	84.8	86.8	87.8	89.0	90.6	91.0	91.6	92.0	92.9
≥ 0	43.0	69.4	75.7	79.1	81.7	83.0	84.8	86.8	87.8	89.0	90.6	91.0	91.6	92.0	93.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

4261-70
STARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≤ 0	≤ 5	≤ 10	≤ 15	≤ 20	≤ 25	≤ 30	≤ 35	≤ 40	≤ 45	≤ 50	≤ 55	≤ 60	≤ 65	≤ 70	≥ 0
NO CEILING	13.2	10.1	10.7	17.3	17.4	17.7	18.0	16.4	18.5	10.6	18.7	18.8	19.1	19.1	19.3	19.4
≥ 20000	17.0	20.5	21.1	21.8	22.0	22.3	22.0	23.0	23.2	23.3	23.4	23.5	23.4	23.9	23.8	24.3
≥ 18000	17.0	20.5	21.2	21.8	22.1	22.4	22.7	23.1	23.3	23.4	23.5	23.4	23.9	23.9	24.2	24.4
≥ 16000	17.2	20.8	21.3	22.1	22.4	22.7	23.0	23.4	23.6	23.7	23.8	23.9	24.2	24.2	24.3	24.7
≥ 14000	16.0	22.0	22.8	23.4	23.8	24.1	24.4	24.8	25.0	25.1	25.2	25.3	25.6	25.6	25.9	26.1
≥ 12000	16.3	22.3	23.3	24.1	24.5	24.9	25.1	25.5	25.8	25.9	26.0	26.1	26.4	26.4	26.7	27.0
≥ 10000	20.1	24.4	25.4	26.2	26.8	27.0	27.3	27.7	28.0	28.1	28.2	28.3	28.6	28.6	29.0	29.3
≥ 9000	20.9	25.5	26.6	27.4	28.2	28.7	29.0	29.4	29.6	29.7	29.8	29.9	30.2	30.2	30.6	30.9
≥ 8000	22.1	27.5	28.8	29.6	30.4	30.9	31.2	31.7	32.0	32.1	32.2	32.4	32.7	32.7	33.1	33.4
≥ 7000	23.7	30.1	31.4	32.3	33.1	33.6	34.0	34.4	34.7	34.8	34.9	35.1	35.4	35.4	35.8	36.2
≥ 6000	25.8	33.4	34.6	35.6	36.4	36.9	37.2	37.8	38.1	38.2	38.3	38.5	38.7	38.7	39.1	39.5
≥ 5000	29.1	37.5	38.8	40.5	41.5	42.0	42.4	42.9	43.3	43.4	43.5	43.7	44.1	44.1	44.5	44.9
≥ 4500	30.0	39.6	41.0	42.2	43.3	43.8	44.2	44.7	45.1	45.2	45.3	45.5	45.9	45.9	46.3	46.7
≥ 4000	31.9	42.9	43.8	44.7	45.7	46.3	46.8	47.3	47.7	47.8	47.9	48.1	48.5	48.5	48.9	49.3
≥ 3500	34.2	47.7	48.2	49.2	50.4	51.0	51.5	52.0	52.4	52.5	52.6	52.8	53.2	53.2	53.6	54.0
≥ 3000	36.8	52.8	53.4	54.4	55.6	56.4	57.0	57.5	58.0	58.1	58.2	58.4	58.8	58.8	59.2	59.6
≥ 2500	39.1	57.4	58.2	59.2	60.4	61.2	62.0	62.6	63.1	63.2	63.3	63.5	63.9	63.9	64.3	64.7
≥ 2000	41.6	62.9	63.7	64.7	65.7	66.4	67.2	68.0	68.6	68.7	68.8	69.0	69.4	69.4	69.8	70.2
≥ 1800	41.6	63.2	64.0	65.0	66.0	66.8	67.6	68.4	69.0	69.1	69.2	69.4	69.8	69.8	70.2	70.6
≥ 1500	42.1	64.6	65.4	66.4	67.4	68.2	69.0	69.6	70.2	70.3	70.4	70.6	71.0	71.0	71.4	71.8
≥ 1200	42.5	66.3	67.1	68.1	69.1	69.9	70.7	71.3	71.9	72.0	72.1	72.3	72.7	72.7	73.1	73.5
≥ 1000	42.8	66.8	67.6	68.6	69.6	70.4	71.2	71.8	72.4	72.5	72.6	72.8	73.2	73.2	73.6	74.0
≥ 900	42.8	67.1	67.9	68.9	69.9	70.7	71.5	72.1	72.7	72.8	72.9	73.1	73.5	73.5	73.9	74.3
≥ 800	42.8	67.6	68.4	69.4	70.4	71.2	72.0	72.6	73.2	73.3	73.4	73.6	74.0	74.0	74.4	74.8
≥ 700	42.9	68.0	68.8	69.8	70.8	71.6	72.4	73.0	73.6	73.7	73.8	74.0	74.4	74.4	74.8	75.2
≥ 600	42.9	68.1	68.9	69.9	70.9	71.7	72.5	73.1	73.7	73.8	73.9	74.1	74.5	74.5	74.9	75.3
≥ 500	42.9	68.2	69.0	70.0	71.0	71.8	72.6	73.2	73.8	73.9	74.0	74.2	74.6	74.6	75.0	75.4
≥ 400	42.9	68.4	69.2	70.2	71.2	72.0	72.8	73.4	74.0	74.1	74.2	74.4	74.8	74.8	75.2	75.6
≥ 300	42.9	68.4	69.2	70.2	71.2	72.0	72.8	73.4	74.0	74.1	74.2	74.4	74.8	74.8	75.2	75.6
≥ 200	42.9	68.4	69.2	70.2	71.2	72.0	72.8	73.4	74.0	74.1	74.2	74.4	74.8	74.8	75.2	75.6
≥ 100	42.9	68.4	69.2	70.2	71.2	72.0	72.8	73.4	74.0	74.1	74.2	74.4	74.8	74.8	75.2	75.6
≥ 0	42.9	68.4	69.2	70.2	71.2	72.0	72.8	73.4	74.0	74.1	74.2	74.4	74.8	74.8	75.2	75.6

TOTAL NUMBER OF OBSERVATIONS 1022

USAFETAC FORM 0-14-0 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/DAAC

CEILING VERSUS VISIBILITY

STATION 24201 FORT MEADE WASHINGTON/GRAY AAF 40.61-70

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.3	≥.2	≥.1	≥.05	≥.01	≥0
NO CEILING	11.0	11.9	12.0	13.1	13.2	13.3	13.3	13.4	13.4	13.6	13.7	13.8	13.8	13.9	13.9	14.1
≥ 20000	17.3	18.7	19.5	20.3	20.5	20.8	21.1	21.6	21.9	22.2	22.4	22.5	22.6	22.8	22.8	23.4
≥ 8000	17.4	18.8	19.6	20.4	20.7	20.9	21.2	21.7	22.0	22.3	22.5	22.6	22.7	22.9	22.9	23.5
≥ 16000	17.8	19.3	20.2	20.9	21.4	21.6	22.0	22.5	22.9	23.2	23.4	23.5	23.6	23.8	23.8	24.4
≥ 14000	19.0	21.0	21.9	22.7	23.0	23.8	24.2	24.7	25.0	25.3	25.5	25.6	25.8	26.0	26.0	26.6
≥ 12000	21.0	22.7	23.7	24.5	25.0	25.3	26.3	27.1	27.4	27.8	28.0	28.1	28.3	28.5	28.5	29.1
≥ 10000	22.2	23.9	24.9	25.7	26.9	27.2	27.7	28.4	28.8	29.2	29.4	29.5	29.6	29.8	29.8	30.4
≥ 9000	23.3	25.0	26.0	26.9	28.2	28.5	29.0	29.6	30.0	30.4	30.6	30.7	30.9	31.1	31.1	31.7
≥ 8000	25.8	28.2	29.5	30.4	31.7	32.0	32.6	33.3	33.7	34.1	34.3	34.4	34.6	34.8	34.8	35.4
≥ 7000	27.6	30.6	32.0	33.4	34.6	35.0	35.6	36.3	36.7	37.1	37.4	37.5	37.7	37.9	37.9	38.5
≥ 6000	29.7	33.3	34.6	36.0	37.4	37.9	38.5	39.1	39.5	39.9	40.2	40.3	40.5	40.7	40.7	41.3
≥ 5000	32.2	36.3	38.0	39.4	40.9	41.4	42.2	42.9	43.2	43.5	43.9	44.1	44.2	44.4	44.4	45.0
≥ 4500	33.8	39.0	40.9	42.4	44.0	44.5	45.3	46.0	46.5	46.9	47.2	47.3	47.6	47.7	47.7	48.3
≥ 4000	37.4	43.0	45.9	47.7	49.6	50.1	51.2	52.1	52.4	52.6	53.1	53.2	53.5	53.7	53.7	54.3
≥ 3500	40.4	47.4	50.2	52.1	54.3	55.0	56.4	57.5	58.2	58.6	58.9	59.0	59.3	59.5	59.5	60.1
≥ 3000	42.3	50.6	53.8	55.8	58.2	58.9	60.0	61.8	62.5	63.0	63.5	63.6	64.0	64.2	64.2	64.8
≥ 2500	43.5	53.6	56.8	59.0	61.6	62.5	64.4	65.9	66.5	67.0	67.5	67.6	68.0	68.2	68.2	68.8
≥ 2000	46.0	58.9	63.2	65.7	68.7	69.6	71.8	73.6	74.4	74.9	75.3	75.3	76.0	76.2	76.2	76.8
≥ 1800	46.5	59.9	64.4	66.8	70.0	70.9	73.2	75.0	75.7	76.2	76.7	76.9	77.4	77.6	77.6	78.2
≥ 1500	47.8	61.8	66.5	69.0	72.4	73.4	75.6	77.6	78.4	78.9	79.4	79.5	80.0	80.2	80.2	80.9
≥ 1200	48.8	63.5	68.2	71.1	74.8	75.8	78.1	80.0	80.9	81.4	81.9	82.1	82.6	82.8	82.8	83.5
≥ 1000	49.2	64.5	69.4	72.2	76.2	77.5	79.6	81.9	82.9	83.4	83.9	84.1	84.5	84.7	84.7	85.4
≥ 900	49.2	64.6	69.5	72.4	76.5	78.0	80.3	82.4	83.4	83.9	84.3	84.5	85.0	85.2	85.2	85.9
≥ 800	49.2	64.7	69.6	72.5	76.7	78.2	80.5	82.6	83.6	84.1	84.5	84.7	85.2	85.4	85.4	86.1
≥ 700	49.3	65.1	70.0	73.1	77.4	79.0	81.6	83.7	84.7	85.2	85.7	85.9	86.4	86.6	86.6	87.3
≥ 600	49.3	65.3	70.2	73.3	78.0	79.7	82.5	84.5	85.6	86.1	86.6	86.8	87.4	87.6	87.6	88.3
≥ 500	49.3	65.4	70.4	73.6	78.3	80.4	83.4	85.6	87.0	87.7	88.5	88.6	89.3	89.5	89.5	90.2
≥ 400	49.4	65.6	70.5	73.8	78.7	80.7	83.7	86.2	87.9	88.8	89.7	90.0	91.0	91.2	91.2	91.9
≥ 300	49.4	65.6	70.5	73.8	78.7	80.7	84.0	86.6	88.4	89.4	90.8	91.1	92.2	92.7	92.7	93.6
≥ 200	49.4	65.6	70.5	73.8	78.7	80.7	84.1	86.9	88.6	89.8	91.4	91.9	93.2	94.0	94.2	95.7
≥ 100	49.4	65.6	70.5	73.8	78.7	80.7	84.1	86.9	88.6	89.8	91.4	91.9	93.2	94.1	94.9	97.1
≥ 0	49.4	65.6	70.5	73.8	78.7	80.7	84.1	86.9	88.6	89.8	91.4	91.9	93.2	94.1	94.9	97.1

TOTAL NUMBER OF OBSERVATIONS 1022

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/NAF

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

40-61-70
YEARS

1 AN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	10.1	11.2	11.2	11.5	11.9	11.9	12.1	12.3	12.3	12.6	12.6	12.6	12.6	12.6	12.6	12.7
≥ 20000	17.2	18.8	18.9	19.6	20.0	20.0	20.5	20.8	20.9	21.3	21.3	21.3	21.3	21.3	21.4	21.5
≥ 18000	17.2	18.8	18.9	19.6	20.0	20.0	20.5	20.8	20.9	21.3	21.3	21.3	21.3	21.3	21.4	21.5
≥ 16000	17.3	18.9	19.0	19.7	20.3	20.3	20.8	21.1	21.2	21.5	21.5	21.6	21.6	21.6	21.7	21.8
≥ 14000	18.7	20.3	20.4	21.5	22.1	22.1	22.6	23.1	23.2	23.6	23.6	23.6	23.6	23.6	23.7	23.8
≥ 12000	21.2	22.9	23.0	24.1	24.9	25.0	25.6	26.4	26.5	26.9	26.9	26.9	26.9	26.9	27.0	27.1
≥ 10000	23.0	24.6	24.7	25.9	26.7	26.9	27.5	28.3	28.3	28.7	28.7	28.7	28.7	28.7	28.8	28.9
≥ 9000	23.5	25.1	25.2	26.4	27.3	27.5	28.1	28.8	28.9	29.3	29.4	29.4	29.4	29.4	29.5	29.6
≥ 8000	25.4	27.5	27.9	29.1	30.2	30.4	31.1	31.9	32.0	32.4	32.5	32.5	32.5	32.5	32.6	32.6
≥ 7000	28.3	31.0	31.4	32.6	33.8	34.1	34.8	35.7	35.8	36.2	36.3	36.3	36.3	36.3	36.4	36.4
≥ 6000	30.4	33.6	34.7	36.4	37.6	38.0	38.7	39.6	39.7	40.1	40.2	40.2	40.2	40.2	40.3	40.4
≥ 5000	33.1	36.8	38.2	39.9	41.3	41.7	42.5	43.5	43.6	44.2	44.3	44.3	44.3	44.3	44.4	44.5
≥ 4500	35.1	39.3	40.8	42.5	44.0	44.4	45.2	46.1	46.4	46.8	46.9	46.9	46.9	46.9	47.0	47.1
≥ 4000	37.4	43.1	44.8	46.5	48.2	48.6	49.5	50.4	50.7	51.1	51.3	51.3	51.3	51.3	51.4	51.5
≥ 3500	40.2	47.2	49.3	51.2	53.2	53.7	54.8	55.9	56.5	56.9	57.1	57.1	57.1	57.1	57.2	57.3
≥ 3000	42.7	51.4	52.8	56.0	58.4	58.8	60.1	61.5	62.0	62.5	62.7	62.7	62.7	62.7	62.8	62.9
≥ 2500	45.9	56.6	59.6	62.2	64.6	65.1	66.5	68.0	68.5	69.1	69.3	69.3	69.3	69.3	69.4	69.5
≥ 2000	49.6	61.6	63.1	67.7	70.5	71.0	72.4	74.1	74.7	75.5	75.7	75.7	75.7	75.7	75.8	75.9
≥ 1800	49.9	62.2	65.8	65.4	71.3	71.7	73.4	75.1	75.7	76.4	76.6	76.6	76.6	76.6	76.7	76.8
≥ 1500	51.2	64.0	67.8	70.8	73.8	74.4	76.1	77.8	78.5	79.3	79.6	79.6	79.6	79.6	79.7	79.8
≥ 1200	53.5	67.2	71.2	74.4	77.7	78.3	80.3	81.9	82.6	83.4	83.7	83.7	83.7	83.7	83.8	83.9
≥ 1000	54.0	67.7	71.9	75.3	78.8	79.6	81.7	83.4	84.2	84.9	85.2	85.2	85.2	85.2	85.3	85.4
≥ 900	54.3	68.3	72.5	75.9	79.6	80.4	82.6	84.4	85.1	85.9	86.2	86.2	86.2	86.2	86.3	86.4
≥ 800	54.3	69.0	73.4	76.7	80.9	81.7	84.1	86.1	87.1	87.9	88.2	88.2	88.2	88.2	88.3	88.4
≥ 700	54.5	69.3	73.6	77.5	81.7	82.6	85.0	87.4	88.5	89.5	89.8	89.8	89.8	89.8	89.9	90.0
≥ 600	54.5	69.6	74.1	77.8	82.1	83.2	85.8	88.7	89.7	90.8	91.1	91.1	91.1	91.2	91.3	91.4
≥ 500	54.8	70.2	74.7	78.5	82.8	83.9	86.8	89.9	91.3	92.7	93.4	93.4	93.5	93.5	93.5	93.6
≥ 400	54.8	70.3	74.8	78.6	82.9	84.0	87.1	90.2	92.0	93.5	94.2	94.5	94.7	94.7	94.8	94.9
≥ 300	54.8	70.3	74.8	78.6	82.9	84.4	87.6	90.9	92.8	94.2	95.8	96.2	96.6	97.1	97.3	97.6
≥ 200	54.8	70.3	74.8	78.6	82.9	84.4	87.6	91.0	92.9	94.3	95.9	96.5	97.0	97.5	97.8	98.1
≥ 100	54.8	70.3	74.8	78.6	82.9	84.4	87.6	91.0	92.9	94.3	95.9	96.5	97.1	97.6	98.1	98.4
≥ 0	54.8	70.3	74.8	78.6	82.9	84.4	87.6	91.0	92.9	94.3	95.9	96.5	97.1	97.6	98.1	98.4

TOTAL NUMBER OF OBSERVATIONS 1022

USAFETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 24211 FORT LEWIS WASHINGTON/GRAY AAF 4061-70 YEAR 1970

MONTH 11

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	13.9	15.2	15.9	16.4	17.1	17.3	17.5	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
≥ 20000	19.6	21.2	22.2	23.3	24.1	24.4	24.8	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.3
≥ 18000	19.6	21.2	22.2	23.3	24.1	24.4	24.8	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.3
≥ 16000	19.9	21.6	22.6	23.7	24.7	25.0	25.4	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.9
≥ 14000	20.6	22.5	23.7	24.8	25.9	26.2	26.6	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.1
≥ 12000	22.3	24.1	25.7	27.1	28.3	28.5	28.9	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.4
≥ 10000	23.9	25.9	27.5	28.8	30.0	30.4	30.8	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.5
≥ 9000	24.8	26.9	28.4	29.9	31.1	31.6	32.0	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
≥ 8000	27.7	30.2	32.0	33.4	34.7	35.3	35.7	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.4
≥ 7000	29.4	32.3	34.2	35.9	37.1	37.7	38.1	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.8
≥ 6000	31.5	35.2	37.2	38.9	40.3	40.9	41.3	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.9
≥ 5000	33.6	38.4	41.2	43.2	44.8	45.4	45.7	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.4
≥ 4500	35.8	40.9	43.7	45.8	47.4	48.0	48.4	48.9	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.3
≥ 4000	39.7	45.7	48.7	50.8	52.7	53.3	53.7	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.5
≥ 3500	42.1	49.5	52.4	54.7	56.9	57.6	58.2	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.2
≥ 3000	43.7	51.5	54.7	57.7	60.3	62.8	63.4	64.0	64.7	64.9	65.0	65.0	65.0	65.0	65.0	65.2
≥ 2500	49.4	59.7	63.5	66.5	69.0	69.8	70.4	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.6
≥ 2000	52.7	64.6	69.0	72.0	74.7	75.8	76.5	77.4	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.9
≥ 1800	52.8	65.2	69.6	72.6	75.3	76.3	77.2	78.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.6
≥ 1500	53.9	67.5	72.1	75.2	78.0	79.1	80.1	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.4
≥ 1200	55.1	69.9	74.6	77.6	80.7	82.0	83.2	84.2	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.7
≥ 1000	55.4	70.7	75.8	79.2	82.6	83.9	85.0	86.1	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.9
≥ 900	55.5	71.0	76.1	79.5	83.1	84.4	85.7	86.9	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.7
≥ 800	55.6	71.7	76.9	80.4	84.1	85.4	86.9	88.3	88.7	88.8	88.9	88.9	88.9	88.9	88.9	89.1
≥ 700	55.8	72.0	77.2	80.8	84.7	86.0	87.7	89.1	89.7	90.1	90.3	90.3	90.3	90.3	90.3	90.4
≥ 600	55.8	72.4	77.7	81.6	85.6	87.1	89.1	90.6	91.5	91.9	92.3	92.3	92.3	92.3	92.3	92.4
≥ 500	55.8	72.4	77.7	81.7	85.9	87.4	89.7	91.6	92.5	93.0	93.4	93.5	93.5	93.5	93.5	93.6
≥ 400	55.8	72.5	77.8	81.8	86.3	87.9	90.5	92.7	93.7	94.4	95.2	95.5	95.7	95.8	96.0	96.1
≥ 300	55.8	72.5	77.8	81.8	86.3	88.1	90.9	93.5	94.7	95.8	96.7	97.1	97.4	97.6	97.8	97.9
≥ 200	55.8	72.5	77.8	81.8	86.3	88.1	90.9	93.5	94.7	95.8	96.7	97.1	97.4	97.6	97.8	97.9
≥ 100	55.8	72.5	77.8	81.8	86.3	88.1	90.9	93.5	94.7	95.8	96.7	97.1	97.4	97.6	97.8	97.9
≥ 0	55.8	72.5	77.8	81.8	86.3	88.1	90.9	93.5	94.7	95.8	96.7	97.1	97.4	97.6	97.8	97.9

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

4061-70
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	15.0	17.9	18.7	19.2	19.4	19.6	19.7	20.2	20.2	20.4	20.7	20.8	20.9	21.0	21.0	21.4
≥ 20000	17.8	21.4	22.7	23.8	24.1	24.3	24.6	25.2	25.2	25.4	25.7	25.8	25.9	26.0	26.0	26.4
≥ 18000	17.8	21.4	22.7	23.8	24.1	24.3	24.6	25.2	25.2	25.4	25.7	25.8	25.9	26.0	26.0	26.4
≥ 16000	17.9	21.5	22.8	23.9	24.2	24.4	24.7	25.3	25.3	25.5	25.8	25.9	26.0	26.1	26.1	26.5
≥ 14000	18.1	22.5	23.9	24.9	25.3	25.5	25.8	26.4	26.4	26.6	26.9	27.0	27.1	27.2	27.2	27.6
≥ 12000	19.1	23.3	24.6	25.8	26.3	26.5	26.8	27.4	27.4	27.8	28.1	28.2	28.3	28.3	28.3	28.7
≥ 10000	20.0	25.1	26.5	27.7	28.3	28.4	28.8	29.4	29.4	29.8	30.1	30.2	30.3	30.4	30.4	30.9
≥ 9000	21.1	26.7	28.1	29.2	29.8	30.0	30.4	31.0	31.0	31.4	31.7	31.8	31.9	32.0	32.0	32.5
≥ 8000	24.5	30.5	32.1	33.2	33.9	34.1	34.5	35.1	35.1	35.6	36.0	36.1	36.2	36.3	36.3	36.8
≥ 7000	25.9	32.7	34.7	36.2	36.9	37.0	37.4	38.0	38.0	38.5	38.9	39.0	39.1	39.2	39.2	39.7
≥ 6000	27.7	35.5	37.4	38.9	39.0	39.0	40.3	40.9	40.9	41.3	41.7	41.8	41.9	42.0	42.0	42.5
≥ 5000	30.8	40.2	42.6	44.3	45.1	45.5	45.8	46.4	46.4	47.0	47.4	47.6	47.7	47.8	47.8	48.3
≥ 4500	32.6	42.7	45.5	47.2	48.3	48.7	49.1	49.7	49.7	50.2	50.6	50.8	50.9	51.0	51.0	51.5
≥ 4000	34.7	46.0	48.8	51.2	52.4	52.9	53.3	53.9	53.9	54.4	54.8	55.1	55.1	55.2	55.2	55.7
≥ 3500	37.0	51.1	54.1	56.5	57.8	58.4	58.7	59.3	59.3	59.9	60.3	60.5	60.6	60.7	60.7	61.3
≥ 3000	40.3	56.3	59.5	62.2	63.6	64.2	64.6	65.2	65.2	65.8	66.2	66.4	66.5	66.6	66.6	67.2
≥ 2500	42.8	61.5	65.1	67.7	69.2	69.8	70.2	70.9	70.9	71.5	71.8	72.1	72.1	72.2	72.2	72.5
≥ 2000	45.8	66.7	71.0	74.2	76.0	76.6	77.3	78.0	78.0	78.6	79.0	79.2	79.3	79.4	79.4	80.0
≥ 1800	46.0	67.1	71.5	74.7	76.4	77.1	77.8	78.5	78.5	79.2	79.7	79.9	80.0	80.1	80.1	80.6
≥ 1500	46.6	68.7	73.2	76.6	78.5	79.3	80.1	80.9	80.9	81.6	82.1	82.3	82.4	82.5	82.5	83.1
≥ 1200	47.1	70.5	75.0	78.8	80.9	81.7	82.5	83.4	83.4	84.1	84.7	84.8	84.9	85.0	85.0	85.6
≥ 1000	47.2	71.0	75.5	79.5	82.2	83.0	83.8	84.9	85.0	85.8	86.6	86.8	86.9	87.0	87.0	87.6
≥ 900	47.3	71.1	75.7	79.7	82.4	83.2	84.0	85.1	85.3	86.1	86.9	87.1	87.2	87.3	87.3	87.9
≥ 800	47.5	71.4	76.0	80.2	83.0	83.8	84.9	86.3	86.5	87.4	88.2	88.5	88.7	88.8	88.8	89.3
≥ 700	47.5	71.5	76.1	80.4	83.2	84.0	85.1	86.6	86.8	87.9	88.7	89.0	89.1	89.2	89.2	89.8
≥ 600	47.5	71.5	76.1	80.4	83.7	84.5	85.7	87.3	87.5	88.6	89.3	89.6	89.8	89.9	89.9	90.5
≥ 500	47.5	71.6	76.2	80.6	83.9	85.1	86.5	88.6	88.9	90.0	90.8	91.1	91.3	91.4	91.4	92.1
≥ 400	47.5	71.6	76.2	80.6	84.2	85.9	87.6	89.7	90.2	91.5	92.6	92.9	93.2	93.3	93.3	93.9
≥ 300	47.5	71.7	76.4	80.8	84.4	86.4	88.1	90.3	90.9	92.3	93.4	94.1	94.3	94.4	94.4	95.1
≥ 200	47.5	71.7	76.4	80.8	84.4	86.4	88.1	90.4	91.4	92.8	94.4	95.2	95.6	95.7	96.1	96.9
≥ 100	47.5	71.7	76.4	80.8	84.4	86.4	88.1	90.4	91.4	92.8	94.5	95.3	95.7	96.1	96.6	96.9
≥ 0	47.5	71.7	76.4	80.8	84.4	86.4	88.1	90.4	91.4	92.8	94.5	95.3	95.7	96.1	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1023

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

40.61-70
YEARS

10
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.2	14.0	18.7	19.0	20.0	20.0	20.5	20.7	20.8	21.3	21.8	22.0	22.2	22.2	22.8	23.2
≥ 20000	17.2	22.0	23.3	24.0	25.5	25.5	26.0	26.2	26.3	26.8	27.3	27.5	27.7	27.7	28.4	28.8
≥ 18000	17.5	22.0	23.3	24.0	25.5	25.5	26.0	26.2	26.3	26.8	27.3	27.5	27.7	27.7	28.4	28.8
≥ 16000	17.5	22.0	23.3	24.0	25.5	25.5	26.0	26.2	26.3	26.8	27.3	27.5	27.7	27.7	28.4	28.8
≥ 14000	17.7	22.8	24.1	24.8	26.3	26.3	26.8	27.0	27.1	27.6	28.2	28.4	28.6	28.6	29.2	29.6
≥ 12000	18.4	23.7	25.0	25.9	27.4	27.4	28.0	28.2	28.3	28.8	29.3	29.5	29.7	29.7	30.3	30.7
≥ 10000	19.4	25.0	26.3	27.3	29.2	29.2	29.7	29.9	30.0	30.5	31.0	31.2	31.4	31.4	32.0	32.4
≥ 9000	20.5	27.0	28.6	29.6	31.4	31.5	32.0	32.2	32.3	32.8	33.4	33.6	33.8	33.8	34.4	34.8
≥ 8000	22.2	30.5	32.2	33.3	35.1	35.2	35.7	35.9	36.0	36.5	37.1	37.3	37.6	37.6	38.2	38.6
≥ 7000	24.7	33.8	35.5	36.6	38.4	38.5	39.3	39.5	39.6	40.1	40.7	40.7	41.2	41.2	41.8	42.2
≥ 6000	26.1	36.0	38.0	39.4	41.5	41.6	42.3	42.5	42.6	43.1	43.7	43.9	44.2	44.2	44.8	45.2
≥ 5000	28.3	40.0	42.4	43.8	46.0	46.1	46.8	47.1	47.2	47.7	48.3	48.5	48.8	48.8	49.4	49.8
≥ 4500	29.9	42.4	45.4	46.8	49.3	49.4	50.3	50.6	50.7	51.2	51.8	52.0	52.3	52.3	52.9	53.3
≥ 4000	32.2	46.6	49.9	51.9	54.4	54.8	55.8	56.1	56.2	56.7	57.3	57.5	57.8	57.8	58.4	58.8
≥ 3500	33.9	49.7	53.4	55.3	57.8	58.3	59.4	59.7	59.8	60.3	60.9	61.2	61.5	61.5	62.1	62.5
≥ 3000	36.9	54.8	58.7	61.2	63.7	64.2	65.3	65.6	65.7	66.2	66.8	67.0	67.3	67.3	67.9	68.3
≥ 2500	39.0	59.2	63.3	65.8	68.4	68.9	70.0	70.4	70.5	71.0	71.6	71.8	72.1	72.1	72.8	73.2
≥ 2000	41.3	64.1	69.0	72.0	74.8	75.3	76.4	76.8	76.9	77.4	78.0	78.2	78.5	78.5	79.1	79.5
≥ 1800	41.8	64.8	69.8	72.9	75.6	76.1	77.2	77.6	77.7	78.2	78.8	79.0	79.3	79.3	79.9	80.3
≥ 1500	42.1	65.9	71.1	74.3	77.0	77.5	78.7	79.1	79.3	79.8	80.4	80.6	80.9	80.9	81.5	81.9
≥ 1200	43.0	68.0	73.4	76.7	79.5	80.0	81.2	81.6	81.8	82.4	83.0	83.2	83.6	83.6	84.2	84.6
≥ 1000	43.0	68.5	74.2	77.7	80.9	81.6	83.0	84.0	84.5	85.4	86.0	86.2	86.5	86.5	87.1	87.5
≥ 900	43.0	68.6	74.3	77.8	81.0	81.7	83.1	84.1	84.6	85.5	86.1	86.3	86.6	86.6	87.2	87.6
≥ 800	43.1	68.9	74.8	78.7	82.1	82.9	84.4	85.4	85.9	86.8	87.5	87.7	88.0	88.0	88.6	89.0
≥ 700	43.2	69.1	75.0	79.0	82.4	83.2	84.9	86.0	86.5	87.4	88.2	88.4	88.7	88.7	89.3	89.7
≥ 600	43.2	69.4	75.3	79.3	82.7	83.6	85.2	86.4	86.9	87.8	88.6	88.8	89.1	89.1	89.7	90.1
≥ 500	43.2	69.6	75.5	79.5	83.2	84.5	86.4	87.8	88.3	89.2	90.0	90.2	90.5	90.5	91.1	91.5
≥ 400	43.2	69.6	75.5	79.5	83.4	84.6	86.5	88.2	88.7	89.2	91.2	91.5	91.8	91.8	92.4	92.8
≥ 300	43.2	69.6	75.5	79.5	83.4	84.7	86.8	88.6	89.2	91.1	92.2	92.7	93.0	93.0	93.9	94.3
≥ 200	43.2	69.6	75.5	79.5	83.6	84.9	87.0	88.8	89.7	91.6	93.0	93.5	94.1	94.1	95.1	95.9
≥ 100	43.2	69.6	75.5	79.5	83.6	84.9	87.0	88.8	89.7	91.6	93.0	93.5	94.5	94.7	95.8	97.2
≥ 0	43.2	69.6	75.5	79.5	83.6	84.9	87.0	88.8	89.7	91.6	93.0	93.5	94.5	94.7	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 991

USAFETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FIFT LEWIS WASHINGTON/GRAY AAF
STATION NAME

40,61-69
YEARS

1 1 1
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	17.1	24.1	27.0	24.5	29.8	30.2	31.3	32.0	32.3	37.9	33.2	33.3	33.5	37.6	33.0	33.9
≥ 20000	19.0	27.2	30.2	31.8	33.2	33.9	35.2	35.9	36.2	36.7	37.2	37.3	37.5	37.6	38.0	38.0
≥ 18000	19.0	27.2	30.2	31.8	33.2	33.9	35.2	35.9	36.2	36.7	37.2	37.3	37.5	37.6	38.0	38.0
≥ 16000	19.0	27.2	30.2	31.8	33.2	33.9	35.2	35.9	36.2	36.7	37.2	37.3	37.5	37.6	38.0	38.0
≥ 14000	19.3	27.8	30.7	32.4	33.8	34.5	35.8	36.5	36.7	37.3	37.8	37.9	38.0	38.2	38.8	38.8
≥ 12000	19.9	28.6	31.6	33.3	34.7	35.5	36.7	37.5	37.7	38.3	38.9	39.1	39.2	39.3	39.9	39.9
≥ 10000	20.7	30.4	33.3	35.3	37.1	37.8	39.5	40.2	40.4	41.0	41.6	41.8	41.9	42.0	42.6	42.6
≥ 9000	21.3	31.9	34.9	37.0	38.8	39.5	41.1	41.8	42.2	42.8	43.3	43.4	43.7	43.8	44.4	44.4
≥ 8000	23.2	35.3	38.6	40.8	42.8	43.5	45.1	45.8	46.2	46.8	47.3	47.6	47.7	47.8	48.4	48.4
≥ 7000	26.0	39.2	43.2	45.3	47.3	48.1	49.7	50.4	50.8	51.4	51.9	52.2	52.3	52.4	53.0	53.0
≥ 6000	27.8	42.0	45.8	47.9	49.9	50.6	52.3	53.0	53.4	53.9	54.5	54.9	54.9	55.0	55.6	55.6
≥ 5000	29.8	45.6	49.6	51.8	53.8	54.5	56.4	57.1	57.6	58.2	58.8	59.1	59.1	59.2	59.8	59.8
≥ 4500	31.0	47.1	51.1	53.4	55.4	56.1	58.0	58.7	59.2	59.8	60.4	60.7	60.8	60.9	61.5	61.5
≥ 4000	33.7	50.9	55.1	57.6	59.6	60.3	62.2	63.0	63.6	64.3	64.9	65.1	65.3	65.4	66.1	66.1
≥ 3500	38.3	57.7	62.0	64.4	66.4	67.1	69.1	70.1	70.7	71.4	72.0	72.2	72.3	72.4	73.0	73.0
≥ 3000	42.5	63.1	67.5	70.0	72.0	72.7	74.7	75.6	76.2	76.9	77.5	77.7	77.9	78.0	78.6	78.6
≥ 2500	45.8	68.1	72.6	75.3	77.5	78.2	80.2	81.2	81.7	82.6	83.2	83.4	83.5	83.6	84.2	84.2
≥ 2000	46.2	73.3	78.1	81.3	83.5	84.2	86.6	87.3	88.1	88.9	89.6	89.7	90.0	90.1	90.7	90.7
≥ 1800	48.9	74.3	79.4	82.7	85.0	85.7	88.1	89.0	89.6	90.5	91.2	91.5	91.6	91.8	92.3	92.3
≥ 1500	49.8	76.3	81.5	84.8	87.3	88.0	90.5	91.4	92.0	92.8	93.6	94.1	94.2	94.3	94.9	94.9
≥ 1200	49.9	76.9	82.2	85.7	88.6	89.3	91.9	92.8	93.4	94.2	95.1	95.4	95.6	95.8	96.3	96.3
≥ 1000	50.1	77.4	82.7	86.3	89.2	89.9	92.6	93.5	94.1	94.9	95.8	96.1	96.3	96.5	97.1	97.1
≥ 900	50.1	77.5	82.8	86.5	89.3	90.0	92.8	93.8	94.3	95.2	96.0	96.3	96.6	96.7	97.3	97.3
≥ 800	50.1	77.6	82.9	86.6	89.4	90.1	92.9	93.9	94.5	95.3	96.1	96.3	96.7	96.8	97.4	97.4
≥ 700	50.1	77.6	83.0	86.7	89.5	90.3	93.2	94.1	94.7	95.5	96.5	96.8	97.1	97.2	97.8	97.8
≥ 600	50.1	77.6	83.0	86.7	89.5	90.3	93.2	94.1	94.7	95.5	96.5	96.8	97.1	97.2	97.8	97.8
≥ 500	50.1	77.6	83.0	86.7	89.5	90.3	93.2	94.1	94.7	95.5	96.6	96.9	97.2	97.3	97.9	97.9
≥ 400	50.1	77.6	83.0	86.7	89.5	90.3	93.2	94.1	94.7	95.5	96.8	97.2	97.4	97.5	98.1	98.1
≥ 300	50.1	77.6	83.0	86.7	89.5	90.3	93.2	94.1	94.7	95.6	97.1	97.5	97.8	97.9	98.5	98.5
≥ 200	50.1	77.6	83.0	86.7	89.5	90.3	93.2	94.1	94.7	95.6	97.4	97.9	98.1	98.2	98.8	98.8
≥ 100	50.1	77.6	83.0	86.7	89.5	90.3	93.2	94.2	94.8	95.8	97.5	98.0	98.2	98.4	99.1	99.5
≥ 0	50.1	77.6	83.0	86.7	89.5	90.3	93.2	94.2	94.8	95.8	97.5	98.0	98.2	98.4	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

140

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FOOT LEWIS WASHINGTON/GRAY AAF
STATION NAME

40,61-62
YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS, ST.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.5	≥1	≥1	≥1	≥1	≥1/2	≥1/2	≥0
NO CEILING	13.5	20.8	22.4	24.5	25.9	26.5	27.3	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 20000	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 18000	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 16000	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 14000	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 12000	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 10000	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 9000	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 8000	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 7000	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 6000	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 5000	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 4500	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 4000	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 3500	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 3000	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 2500	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 2000	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 1800	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 1500	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 1200	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 1000	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 900	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 800	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 700	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 600	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 500	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 400	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 300	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 200	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 100	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 0	15.4	24.0	25.7	28.0	29.4	30.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4

TOTAL NUMBER OF OBSERVATIONS

542

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

40,61-70
YEARS

1 FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.375	≥.25	≥.16	≥0
NO CEILING	15.5	19.8	21.1	22.5	23.6	24.2	25.1	25.9	25.7	26.4	26.6	26.6	26.9	27.0	27.1	27.3
≥ 20000	18.4	23.0	24.5	26.2	27.5	28.3	29.5	30.0	30.3	31.1	31.3	31.4	31.8	31.9	32.0	32.4
≥ 18000	18.4	23.3	24.8	26.4	27.8	28.5	29.7	30.2	30.5	31.3	31.5	31.6	32.0	32.2	32.3	32.6
≥ 16000	18.5	23.4	24.9	26.5	27.9	28.6	29.8	30.3	30.7	31.4	31.6	31.7	32.2	32.3	32.4	32.7
≥ 14000	19.0	23.8	25.4	27.0	28.5	29.3	30.4	31.0	31.3	32.0	32.3	32.4	32.8	32.9	33.0	33.3
≥ 12000	19.2	24.3	25.9	27.8	29.4	30.1	31.3	31.8	32.3	33.0	33.2	33.3	33.8	34.0	34.3	34.7
≥ 10000	21.0	27.2	28.9	31.0	33.1	33.9	35.2	35.7	36.1	36.9	37.1	37.2	37.6	37.8	38.2	38.7
≥ 9000	22.0	28.7	30.4	32.5	34.6	35.4	36.7	37.2	37.6	38.4	38.6	38.7	39.1	39.3	39.7	40.2
≥ 8000	24.8	31.9	33.9	35.9	38.0	38.8	40.1	40.7	41.2	41.9	42.1	42.2	42.7	42.9	43.2	43.7
≥ 7000	26.7	34.9	37.2	39.3	42.0	42.8	44.1	44.8	45.2	46.1	46.3	46.4	46.8	47.1	47.4	47.9
≥ 6000	28.5	37.6	40.3	42.4	45.1	46.0	47.4	48.1	48.6	49.4	49.6	49.7	50.2	50.4	50.7	51.2
≥ 5000	29.8	40.4	43.3	45.4	48.2	49.1	50.5	51.2	51.7	52.8	53.2	53.3	53.7	53.9	54.2	54.7
≥ 4500	31.8	42.8	45.8	47.9	50.8	51.7	53.1	53.8	54.2	55.4	55.7	55.8	56.4	56.6	56.9	57.4
≥ 4000	32.0	47.5	50.5	52.7	55.6	56.6	58.0	58.8	59.3	61.7	61.1	61.2	61.7	62.0	62.3	62.7
≥ 3500	37.3	50.7	53.8	56.2	59.2	60.1	61.6	62.5	62.9	64.3	64.7	64.8	65.4	65.6	65.9	66.5
≥ 3000	42.4	58.2	61.8	64.4	67.4	68.4	70.1	71.0	71.4	72.9	73.3	73.4	74.1	74.3	74.6	75.1
≥ 2500	45.2	62.7	66.8	69.3	72.3	73.3	75.2	76.1	76.5	78.0	78.5	78.7	79.2	79.4	79.7	80.3
≥ 2000	47.9	66.6	71.4	74.2	77.4	78.3	80.4	81.2	81.7	83.2	83.6	83.8	84.4	84.6	84.7	85.4
≥ 1600	48.7	68.0	72.7	75.6	79.0	80.0	82.0	83.0	83.4	84.9	85.3	85.5	86.1	86.3	86.6	87.1
≥ 1500	49.4	69.5	74.5	77.5	81.0	82.0	84.4	85.4	85.9	87.4	87.8	88.0	88.5	88.7	89.1	89.7
≥ 1200	49.9	70.3	75.5	78.7	82.3	83.3	85.6	86.7	87.1	88.6	89.1	89.3	89.8	90.0	90.4	90.9
≥ 1000	50.1	70.5	75.8	79.0	82.7	83.7	86.2	87.2	87.7	89.2	89.6	89.8	90.4	90.6	90.9	91.4
≥ 800	50.1	70.6	75.9	79.3	83.5	84.5	86.9	88.0	88.4	89.9	90.4	90.6	91.1	91.3	91.6	92.2
≥ 700	50.2	70.7	76.1	79.5	83.8	84.8	87.2	88.3	88.7	90.2	90.7	90.9	91.4	91.6	92.0	92.5
≥ 600	50.2	70.8	76.3	79.8	84.1	85.1	87.7	88.7	89.2	90.7	91.1	91.3	91.9	92.1	92.4	92.9
≥ 500	50.2	71.0	76.6	80.2	84.5	85.5	88.2	89.4	89.8	91.4	91.9	92.1	92.6	92.9	93.2	93.7
≥ 400	50.2	71.0	76.6	80.3	84.6	85.6	88.4	89.6	90.0	91.6	92.1	92.4	93.0	93.4	93.7	94.3
≥ 300	50.2	71.0	76.6	80.3	84.6	85.6	88.5	89.7	90.1	91.7	92.2	92.6	93.7	94.1	94.6	95.4
≥ 200	50.2	71.0	76.6	80.3	84.6	85.6	88.5	89.7	90.1	91.7	92.5	92.9	94.1	94.6	95.3	96.1
≥ 100	50.2	71.0	76.6	80.3	84.6	85.6	88.5	89.7	90.1	91.7	92.6	93.0	94.4	95.1	95.9	96.4
≥ 0	50.2	71.0	76.6	80.3	84.6	85.6	88.5	89.7	90.1	91.7	92.6	93.0	94.4	95.1	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 233

USAFETAC FORM 0-14 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/IAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

40,61-70
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	17.9	21.4	21.7	22.9	23.6	23.9	24.7	25.0	25.0	25.2	25.3	25.4	25.4	25.5	25.6	25.6
≥ 20000	22.8	25.5	27.2	25.7	29.4	29.6	30.1	31.3	31.9	32.2	32.4	32.6	32.7	32.8	32.9	33.1
≥ 18000	23.0	25.7	27.4	26.9	29.6	29.8	31.0	31.7	32.2	32.4	32.6	32.8	32.9	33.0	33.1	33.3
≥ 16000	23.2	25.8	27.5	29.0	29.7	29.9	31.1	31.8	32.3	32.5	32.7	32.9	33.0	33.1	33.2	33.4
≥ 14000	24.9	27.7	29.4	31.3	32.0	32.3	33.5	34.3	34.7	34.9	35.2	35.4	35.5	35.6	35.7	35.9
≥ 12000	26.4	29.6	31.3	33.2	34.1	34.3	35.6	36.4	36.9	37.1	37.3	37.5	37.6	37.7	37.8	38.0
≥ 10000	28.7	32.2	34.2	36.2	37.1	37.1	38.0	39.5	40.0	40.3	40.6	40.8	40.9	41.1	41.2	41.4
≥ 9000	30.5	34.0	36.0	38.0	38.9	39.1	40.5	41.5	41.9	42.2	42.6	42.7	42.9	43.0	43.1	43.3
≥ 8000	33.0	36.8	39.1	41.3	42.1	42.3	43.7	44.7	45.1	45.6	45.9	46.1	46.2	46.3	46.4	46.6
≥ 7000	35.7	40.5	43.5	45.7	46.6	47.2	48.8	49.7	50.2	50.6	50.9	51.1	51.2	51.3	51.4	51.8
≥ 6000	37.5	42.4	45.4	47.6	48.8	49.1	50.7	51.7	52.1	52.5	52.8	53.1	53.2	53.3	53.4	53.7
≥ 5000	39.9	45.3	48.6	50.7	51.9	52.2	53.8	54.8	55.2	55.6	55.9	56.2	56.3	56.4	56.5	56.9
≥ 4500	41.1	47.4	50.6	52.9	54.2	54.6	56.2	57.2	57.7	58.1	58.4	58.6	58.7	58.8	58.9	59.3
≥ 4000	43.6	51.2	54.7	57.4	58.7	59.2	60.9	62.0	62.4	62.8	63.1	63.3	63.6	63.7	63.8	64.1
≥ 3500	45.4	53.8	57.8	60.8	62.3	62.7	64.4	65.5	65.9	66.5	66.8	67.0	67.2	67.3	67.4	67.7
≥ 3000	50.9	60.3	64.5	67.8	69.7	70.1	71.8	73.1	73.5	74.1	74.4	74.6	74.8	74.9	75.0	75.3
≥ 2500	53.4	63.7	68.2	71.6	73.5	74.0	75.7	77.2	77.6	78.1	78.5	78.7	78.9	79.0	79.1	79.4
≥ 2000	56.1	69.1	73.2	77.0	79.0	79.4	81.1	82.6	83.1	83.7	84.0	84.2	84.5	84.6	84.7	85.0
≥ 1800	56.7	69.7	73.8	77.6	79.6	80.1	81.8	83.3	83.7	84.4	84.7	84.9	85.1	85.2	85.3	85.6
≥ 1500	56.1	70.3	75.6	79.3	81.5	82.0	83.8	85.4	85.9	86.5	86.8	87.0	87.2	87.4	87.5	87.8
≥ 1200	58.7	71.7	77.2	81.1	83.8	84.5	85.3	88.0	88.4	89.1	89.4	89.6	89.9	90.0	90.1	90.5
≥ 1000	59.1	72.2	77.9	81.9	84.7	85.4	87.2	89.0	89.4	90.0	90.5	90.7	91.0	91.1	91.2	91.5
≥ 900	59.1	72.3	78.0	82.1	85.0	85.9	87.7	89.4	89.8	90.5	91.0	91.2	91.5	91.6	91.7	92.1
≥ 800	59.2	72.9	78.7	82.9	85.9	86.7	88.5	90.5	90.9	91.5	92.1	92.3	92.6	92.7	92.8	93.1
≥ 700	59.4	73.4	79.3	83.6	86.6	87.6	89.4	91.3	91.7	92.4	92.9	93.1	93.5	93.6	93.7	94.0
≥ 600	59.4	73.4	79.3	83.6	86.6	87.6	89.4	91.3	91.7	92.4	92.9	93.1	93.5	93.6	93.7	94.0
≥ 500	59.4	73.4	79.3	83.6	86.7	87.8	89.7	91.4	92.3	92.8	93.5	93.7	94.0	94.1	94.2	94.5
≥ 400	59.4	73.4	79.4	83.7	86.8	88.0	89.9	92.3	92.9	93.6	94.1	94.3	94.6	94.9	95.0	95.1
≥ 300	59.4	73.4	79.4	83.7	86.8	88.0	90.0	92.4	93.1	94.3	95.0	95.3	95.7	96.0	96.4	97.0
≥ 200	59.4	73.5	79.5	83.8	86.9	88.1	90.1	92.5	93.2	94.4	95.1	95.4	95.8	96.2	96.9	97.0
≥ 100	59.4	73.5	79.5	83.8	86.9	88.1	90.2	92.6	93.4	94.5	95.2	95.5	95.9	96.4	97.0	99.4
≥ 0	59.4	73.5	79.5	83.8	86.9	88.1	90.2	92.6	93.6	94.5	95.2	95.5	95.9	96.4	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 913

DATA PROCESSING DIVISION
SAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

74261
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

40,61-70
YEARS

15
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS, LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥5/16	≥1
NO CEILING	20.0	23.3	23.8	24.4	24.5	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
≥ 20000	27.2	31.0	31.7	32.5	32.9	33.0	33.2	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 18000	27.2	31.1	31.8	32.6	33.0	33.1	33.2	33.2	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5
≥ 16000	27.4	31.2	31.9	32.7	33.1	33.2	33.4	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 14000	29.0	32.8	33.8	34.9	35.4	35.5	35.7	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 12000	30.2	34.1	35.4	36.5	37.0	37.1	37.3	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 10000	31.8	35.7	37.0	38.2	38.7	38.9	39.2	39.4	39.5	39.5	39.7	39.7	39.7	39.7	39.7	39.7
≥ 9000	32.7	36.9	38.2	39.3	39.9	40.1	40.4	40.6	40.7	40.7	40.8	40.8	40.8	40.8	40.8	40.8
≥ 8000	34.8	39.2	40.5	41.7	42.2	42.4	42.9	43.1	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3
≥ 7000	38.0	43.1	44.0	45.8	46.3	46.5	46.9	47.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4
≥ 6000	40.2	45.4	47.1	48.2	49.0	49.2	49.0	49.8	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2
≥ 5000	42.3	47.8	49.0	50.9	51.7	51.9	52.3	52.5	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8
≥ 4500	43.4	49.0	51.4	52.8	53.7	53.9	54.3	54.6	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9
≥ 4000	46.2	53.5	55.4	57.0	57.8	58.1	58.5	58.7	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1
≥ 3500	49.2	56.8	59.1	60.7	61.4	61.8	62.3	62.6	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9
≥ 3000	54.3	63.6	66.1	67.8	68.8	69.2	69.9	70.3	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6
≥ 2500	58.2	68.1	70.7	72.7	74.1	74.6	75.2	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2000	62.9	74.1	77.2	79.5	81.6	82.1	82.9	83.3	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1800	64.8	76.2	79.4	81.8	83.8	84.4	85.1	85.5	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1500	67.2	79.0	82.5	85.0	87.0	87.6	88.3	88.7	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1200	68.0	80.8	84.5	87.4	89.7	90.2	91.1	91.6	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1000	69.1	81.7	85.5	88.5	91.0	91.6	92.5	93.1	93.7	93.8	93.9	93.9	94.0	94.0	94.0	94.0
≥ 900	69.2	81.9	85.7	88.7	91.3	92.0	92.6	93.5	94.0	94.1	94.2	94.2	94.3	94.3	94.3	94.3
≥ 800	69.3	82.3	86.3	89.3	92.2	92.6	93.7	94.3	94.9	95.0	95.1	95.1	95.2	95.2	95.2	95.2
≥ 700	69.7	83.0	87.0	90.0	93.0	93.7	94.7	95.5	96.0	96.2	96.4	96.4	96.5	96.5	96.5	96.5
≥ 600	69.7	83.2	87.2	90.2	93.2	94.0	95.2	95.9	96.5	96.7	96.8	96.8	96.9	96.9	96.9	96.9
≥ 500	69.7	83.3	87.6	90.6	93.7	94.6	95.7	96.7	97.2	97.4	97.6	97.6	97.7	97.7	97.7	97.7
≥ 400	69.7	83.3	87.6	90.6	93.7	94.4	95.9	96.9	97.4	97.6	97.8	97.8	97.9	97.9	97.9	97.9
≥ 300	69.7	83.3	87.7	90.7	93.8	94.5	96.0	97.0	97.6	97.8	98.0	98.0	98.1	98.1	98.1	98.1
≥ 200	69.7	83.3	87.7	90.7	93.8	94.5	96.0	97.0	97.6	97.8	98.0	98.0	98.1	98.1	98.1	98.1
≥ 100	69.7	83.3	87.7	90.7	93.8	94.5	96.0	97.0	97.6	97.8	98.0	98.0	98.1	98.1	98.1	98.1
≥ 0	69.7	83.3	87.7	90.7	93.8	94.5	96.0	97.0	97.6	97.8	98.0	98.0	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 233

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FUPT LEWIS WASHINGTON/GRAY AAF
STATION NAME

40,61-70
YEARS

1 FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	26.2	28.0	28.8	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
≥ 20000	33.4	36.0	36.9	37.3	37.3	37.3	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 18000	33.4	36.0	36.9	37.3	37.3	37.3	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 16000	33.4	36.2	37.1	37.5	37.5	37.5	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 14000	35.4	38.0	39.0	39.7	39.7	39.7	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 12000	37.0	39.7	40.6	41.3	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 10000	38.7	41.8	42.8	43.7	43.7	43.7	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 9000	39.3	42.6	43.6	44.6	44.6	44.6	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 8000	42.2	45.6	46.6	47.7	47.7	47.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 7000	46.2	49.7	50.9	52.0	52.1	52.1	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 6000	48.2	52.0	53.6	54.7	54.8	54.8	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 5000	50.9	55.1	56.9	58.0	58.2	58.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 4500	52.3	56.7	58.5	59.7	59.9	59.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 4000	53.1	57.6	62.6	63.9	64.2	64.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 3500	58.7	65.2	67.6	68.9	69.2	69.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3000	62.9	69.8	72.7	74.1	74.4	74.4	75.7	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 2500	65.4	74.4	77.6	79.0	79.4	79.4	80.7	80.9	81.1	81.4	81.4	81.4	81.4	81.5	81.5	81.5
≥ 2000	69.5	80.7	84.7	86.2	87.1	87.5	88.9	89.2	89.4	89.7	89.7	89.7	89.7	89.8	89.8	89.8
≥ 1800	70.4	81.8	85.9	87.4	88.4	88.7	90.1	90.5	90.7	91.1	91.1	91.1	91.1	91.2	91.2	91.2
≥ 1500	72.1	84.0	88.2	89.7	91.1	91.4	92.8	93.2	93.5	93.9	93.9	93.9	93.9	94.0	94.0	94.0
≥ 1200	72.9	85.3	89.8	91.4	93.0	93.4	94.9	95.3	95.5	95.9	96.0	96.1	96.1	96.1	96.1	96.1
≥ 1000	72.9	85.5	90.1	91.9	93.9	94.4	96.0	96.6	96.9	97.3	97.4	97.4	97.4	97.5	97.5	97.5
≥ 900	73.0	85.6	90.4	92.1	94.1	94.6	96.4	96.9	97.2	97.6	97.7	97.7	97.7	97.8	97.9	97.9
≥ 800	73.0	85.6	90.4	92.1	94.1	94.6	96.5	97.0	97.3	97.7	97.9	97.9	97.9	98.0	98.0	98.0
≥ 700	73.0	85.6	90.4	92.1	94.2	94.7	96.0	97.1	97.4	97.9	98.0	98.1	98.1	98.1	98.1	98.1
≥ 600	73.0	85.6	90.4	92.1	94.2	94.9	96.9	97.4	97.7	98.1	98.3	98.3	98.4	98.4	98.4	98.4
≥ 500	73.0	85.6	90.4	92.1	94.2	94.9	96.9	97.5	97.9	98.3	98.4	98.4	98.5	98.5	98.5	98.5
≥ 400	73.0	85.6	90.4	92.1	94.2	95.0	97.1	97.7	98.2	98.7	98.9	98.9	99.1	99.1	99.1	99.1
≥ 300	73.0	85.6	90.4	92.1	94.2	95.0	97.1	97.7	98.2	98.7	99.6	99.7	99.9	99.9	99.9	99.9
≥ 200	73.0	85.6	90.4	92.1	94.2	95.0	97.1	97.7	98.2	98.7	99.6	99.7	99.9	99.9	99.9	99.9
≥ 100	73.0	85.6	90.4	92.1	94.2	95.0	97.1	97.7	98.2	98.7	99.6	99.7	99.9	99.9	99.9	99.9
≥ 0	73.0	85.6	90.4	92.1	94.2	95.0	97.1	97.7	98.2	98.7	99.6	99.7	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 733

DATA PROCESSING DIVISION
SAFETY
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

24201 STATION NAME: F. M. LEWIS WASHINGTON/GRAY AAF 40,61-70 YEARS: MONTH: 1600-2000 HOURS (EST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	1.0	34.2	35.3	36.1	36.3	36.7	36.9	37.2	37.3	37.6	37.8	37.9	37.9	37.9	37.9	37.9
≥ 20000	1.0	38.5	39.8	40.8	41.1	41.4	41.7	42.0	42.1	42.6	42.8	42.9	43.0	43.0	43.0	43.0
≥ 18000	1.0	38.5	39.8	40.8	41.1	41.4	41.7	42.0	42.1	42.6	42.8	42.9	43.0	43.0	43.0	43.0
≥ 16000	1.0	38.7	40.0	41.1	41.3	41.6	41.9	42.2	42.3	42.8	43.0	43.1	43.2	43.2	43.2	43.2
≥ 14000	1.0	40.0	41.3	42.7	42.9	43.2	43.5	43.8	43.9	44.3	44.6	44.8	44.8	44.8	44.8	44.8
≥ 12000	1.0	41.8	43.1	44.5	44.8	45.1	45.8	46.1	46.2	46.6	46.8	46.8	47.1	47.1	47.1	47.1
≥ 10000	1.0	43.8	45.3	46.7	47.2	47.5	48.1	48.4	48.6	49.0	49.2	49.2	49.4	49.4	49.4	49.4
≥ 9000	1.0	45.4	46.9	48.3	49.1	49.4	50.1	50.4	50.5	50.9	51.1	51.1	51.3	51.3	51.3	51.3
≥ 8000	1.0	48.3	49.9	51.9	52.3	52.6	53.5	53.8	53.9	54.3	54.6	54.6	54.8	54.8	54.8	54.8
≥ 7000	1.0	52.6	54.2	56.2	56.6	57.0	57.9	58.2	58.3	58.8	59.1	59.1	59.3	59.3	59.3	59.3
≥ 6000	1.0	55.5	57.3	59.3	59.8	60.2	61.1	61.4	61.5	62.1	62.3	62.3	62.5	62.5	62.5	62.5
≥ 5000	1.0	59.4	61.5	63.6	64.1	64.5	65.4	65.7	65.8	66.3	66.6	66.6	66.8	66.8	66.8	66.8
≥ 4500	1.0	60.6	62.2	64.2	64.7	65.2	66.0	66.3	66.5	67.0	67.2	67.2	67.4	67.4	67.4	67.4
≥ 4000	1.0	63.8	66.1	68.1	68.9	69.3	70.2	70.5	70.6	71.3	71.5	71.5	71.7	71.7	71.7	71.7
≥ 3500	1.0	67.6	70.3	72.7	73.5	74.0	74.8	75.2	75.3	76.0	76.2	76.2	76.4	76.4	76.4	76.4
≥ 3000	1.0	71.6	74.5	77.5	78.1	78.7	79.5	80.2	80.5	81.1	81.4	81.4	81.6	81.6	81.6	81.6
≥ 2500	1.0	75.1	78.6	81.6	82.1	82.7	83.6	84.5	84.8	85.4	85.6	85.7	86.0	86.0	86.0	86.0
≥ 2000	1.0	80.2	84.2	87.6	88.6	89.4	90.5	91.4	91.7	92.4	92.6	92.7	92.9	92.9	92.9	92.9
≥ 1800	1.0	81.4	85.4	88.7	89.9	90.7	91.7	92.7	93.0	93.7	93.9	94.1	94.2	94.2	94.2	94.2
≥ 1500	1.0	81.9	86.2	89.5	91.0	91.7	92.9	93.9	94.2	94.9	95.1	95.2	95.4	95.4	95.4	95.4
≥ 1200	1.0	82.9	87.2	90.6	92.1	92.9	94.2	95.2	95.5	96.1	96.4	96.5	96.7	96.7	96.7	96.7
≥ 1000	1.0	82.9	87.4	90.7	92.2	93.2	94.3	95.3	95.7	96.4	96.6	96.7	96.9	96.9	96.9	96.9
≥ 900	1.0	83.0	87.6	91.0	92.4	93.6	95.0	95.9	96.4	97.0	97.2	97.3	97.5	97.5	97.5	97.5
≥ 800	1.0	83.2	87.8	91.2	92.9	93.9	95.3	96.4	96.8	97.4	97.6	97.7	98.0	98.0	98.0	98.0
≥ 700	1.0	83.3	87.9	91.3	93.1	94.1	95.5	96.6	97.0	97.6	97.9	98.0	98.2	98.2	98.2	98.2
≥ 600	1.0	83.4	88.0	91.4	93.2	94.2	95.6	96.7	97.1	97.7	98.0	98.1	98.3	98.3	98.3	98.3
≥ 500	1.0	83.4	88.1	91.5	93.6	94.5	95.9	97.0	97.6	98.3	98.5	98.6	98.8	98.8	98.8	98.8
≥ 400	1.0	83.4	88.2	91.7	93.8	94.7	96.2	97.3	98.0	98.6	98.8	98.9	99.1	99.1	99.1	99.1
≥ 300	1.0	83.4	88.2	91.7	93.8	94.7	96.2	97.5	98.4	99.1	99.7	99.8	100.0	100.0	100.0	100.0
≥ 200	1.0	83.4	88.2	91.7	93.8	94.7	96.2	97.5	98.4	99.1	99.7	99.8	100.0	100.0	100.0	100.0
≥ 100	1.0	83.4	88.2	91.7	93.8	94.7	96.2	97.5	98.4	99.1	99.7	99.8	100.0	100.0	100.0	100.0
≥ 0	1.0	83.4	88.2	91.7	93.8	94.7	96.2	97.5	98.4	99.1	99.7	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 933

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201 STATION: FORT LEWIS WASHINGTON/GRAY AAF 40,61-70

110 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .1	≥ .1	≥ .1	≥ .1	≥ .1	≥ 0
NO CEILING	29.4	34.4	30.2	37.0	38.2	38.2	38.7	39.2	39.3	39.7	40.0	40.1	40.1	40.1	40.2	40.2
≥ 20000	32.2	37.6	39.7	41.2	41.9	42.0	42.4	43.0	43.1	43.4	43.9	44.0	44.1	44.2	44.3	44.3
≥ 18000	32.2	37.8	39.7	41.2	41.9	42.0	42.4	43.0	43.1	43.4	43.9	44.0	44.1	44.2	44.3	44.3
≥ 16000	32.2	37.8	39.7	41.2	41.9	42.0	42.4	43.0	43.1	43.4	43.9	44.0	44.1	44.2	44.3	44.3
≥ 14000	32.2	38.0	40.0	41.5	42.2	42.3	42.8	43.3	43.4	43.8	44.2	44.3	44.4	44.5	44.6	44.6
≥ 12000	32.5	39.0	41.1	42.9	43.8	43.9	44.3	44.9	45.0	45.3	45.7	45.7	46.0	46.1	46.2	46.2
≥ 10000	33.9	40.9	43.1	45.0	46.1	46.2	46.6	47.2	47.3	47.6	48.1	48.2	48.3	48.4	48.5	48.5
≥ 9000	35.0	42.5	44.9	46.9	48.1	48.2	48.6	49.2	49.3	49.6	50.1	50.2	50.3	50.4	50.5	50.5
≥ 8000	37.0	45.1	47.5	49.6	50.8	50.9	51.0	52.3	52.4	52.7	53.1	53.3	53.4	53.5	53.6	53.6
≥ 7000	39.4	49.1	51.6	53.8	55.1	55.2	55.9	56.6	56.7	57.1	57.7	57.9	58.0	58.1	58.2	58.2
≥ 6000	41.6	51.9	54.5	56.7	58.0	58.1	58.8	59.4	59.6	60.0	60.6	60.8	60.9	61.0	61.1	61.1
≥ 5000	44.3	55.2	57.9	60.3	61.7	61.8	62.4	63.1	63.2	63.8	64.4	64.6	64.8	64.9	65.0	65.0
≥ 4500	46.1	57.1	59.8	62.2	63.5	63.6	64.3	65.0	65.1	65.6	66.3	66.5	66.6	66.7	66.9	66.9
≥ 4000	48.1	59.9	62.8	65.2	66.5	66.6	67.3	68.0	68.2	68.7	69.4	69.7	69.8	69.9	70.1	70.3
≥ 3500	51.0	65.0	68.3	70.7	72.0	72.2	72.8	73.5	73.8	74.4	75.0	75.4	75.5	75.6	75.7	75.9
≥ 3000	54.0	68.7	72.5	75.2	76.8	76.9	77.6	78.3	78.6	79.1	79.8	80.1	80.2	80.3	80.4	80.7
≥ 2500	56.0	73.0	77.3	80.2	81.9	82.1	82.8	83.4	83.8	84.3	85.1	85.4	85.5	85.6	85.7	86.0
≥ 2000	59.4	78.5	83.2	86.2	88.1	88.4	89.2	89.7	90.3	90.9	91.8	92.3	92.4	92.5	92.6	92.8
≥ 1800	59.4	79.0	83.9	86.9	88.7	89.1	89.8	90.6	90.9	91.6	92.5	92.9	93.0	93.1	93.3	93.5
≥ 1600	60.8	80.8	86.0	89.0	90.8	91.2	91.9	92.7	93.0	93.7	94.6	95.1	95.1	95.2	95.4	95.6
≥ 1400	60.9	81.4	87.2	90.3	92.2	92.5	93.4	94.3	94.6	95.2	96.1	96.6	96.7	96.8	96.9	97.1
≥ 1200	60.9	82.0	88.0	91.0	92.9	93.3	94.1	95.0	95.5	96.1	97.0	97.5	97.6	97.7	97.8	98.0
≥ 1000	60.9	82.0	88.0	91.0	92.9	93.3	94.1	95.0	95.5	96.1	97.0	97.5	97.6	97.7	97.8	98.0
≥ 900	60.9	82.0	88.0	91.0	92.9	93.3	94.1	95.0	95.5	96.1	97.0	97.5	97.6	97.7	97.8	98.0
≥ 800	61.1	82.3	88.3	91.4	93.3	93.6	94.5	95.4	95.8	96.5	97.3	97.8	97.9	98.0	98.1	98.3
≥ 700	61.1	82.3	88.3	91.4	93.3	93.6	94.5	95.4	95.8	96.5	97.3	97.8	97.9	98.0	98.1	98.3
≥ 600	61.1	82.3	88.3	91.4	93.3	93.6	94.5	95.4	95.8	96.5	97.3	97.8	97.9	98.0	98.1	98.3
≥ 500	61.1	82.3	88.3	91.6	93.5	93.8	94.7	95.6	96.0	96.7	97.6	98.0	98.1	98.2	98.3	98.4
≥ 400	61.1	82.3	88.3	91.6	93.5	93.8	94.7	95.6	96.0	96.7	97.6	98.0	98.1	98.2	98.3	98.4
≥ 300	61.1	82.3	88.3	91.6	93.5	93.8	94.7	95.6	96.0	96.7	97.6	98.0	98.1	98.2	98.3	98.4
≥ 200	61.1	82.3	88.3	91.6	93.5	93.8	94.7	95.6	96.0	96.7	97.6	98.0	98.1	98.2	98.3	98.4
≥ 100	61.1	82.3	88.3	91.6	93.5	93.8	94.7	95.6	96.0	96.7	97.6	98.0	98.1	98.2	98.3	98.4
≥ 0	61.1	82.3	88.3	91.6	93.5	93.8	94.7	95.6	96.0	96.7	97.6	98.0	98.1	98.2	98.3	98.4

TOTAL NUMBER OF OBSERVATIONS 205

DATA PROCESSING DIVISION
USAF LTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201 IDFT LEWIS WASHINGTON/GRAY AAF 40261-69

VAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	27.0	34.0	36.7	37.7	38.4	38.4	38.9	39.1	39.1	39.5	40.2	40.2	40.2	40.2	40.2	40.2
≥ 20000	29.8	37.4	40.2	41.1	41.9	41.9	42.3	42.5	42.5	42.9	43.6	43.6	43.6	43.6	43.6	43.6
≥ 18000	29.8	37.5	40.3	41.2	42.0	42.0	42.4	42.6	42.6	43.1	43.7	43.7	43.7	43.7	43.7	43.7
≥ 16000	29.8	37.5	40.3	41.2	42.0	42.0	42.4	42.6	42.6	43.1	43.7	43.7	43.7	43.7	43.7	43.7
≥ 14000	30.9	38.5	41.3	42.3	43.1	43.1	43.5	43.7	43.7	44.1	44.8	44.8	44.8	44.8	44.8	44.8
≥ 12000	31.3	39.3	42.1	43.1	43.8	43.8	44.2	44.5	44.5	44.9	45.5	45.5	45.5	45.5	45.5	45.5
≥ 10000	32.9	41.6	44.6	45.5	46.3	46.3	46.7	46.9	46.9	47.4	48.0	48.0	48.0	48.0	48.0	48.0
≥ 9000	34.2	43.8	46.8	47.8	48.5	48.5	49.0	49.2	49.2	49.6	50.3	50.3	50.3	50.3	50.3	50.3
≥ 8000	36.9	47.5	50.6	51.6	52.3	52.3	52.7	53.0	53.0	53.4	54.0	54.0	54.0	54.0	54.0	54.0
≥ 7000	40.2	51.5	54.7	55.7	56.4	56.4	56.8	57.1	57.1	57.5	58.1	58.1	58.1	58.1	58.1	58.1
≥ 6000	43.5	55.5	58.8	59.7	60.5	60.5	60.9	61.1	61.1	61.6	62.2	62.2	62.2	62.2	62.2	62.2
≥ 5000	46.4	60.5	63.8	64.8	65.8	65.8	66.5	66.7	66.7	67.2	67.8	67.8	67.8	67.8	67.8	67.8
≥ 4500	47.7	62.2	65.8	66.7	67.7	67.7	68.5	68.7	68.7	69.1	69.8	69.8	69.8	69.8	69.8	69.8
≥ 4000	50.5	66.2	69.9	70.8	71.8	71.8	72.6	72.8	72.8	73.2	73.8	73.8	73.8	73.8	73.8	73.8
≥ 3500	53.2	70.7	74.5	75.5	76.4	76.4	77.2	77.4	77.4	77.8	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3000	56.5	75.0	78.8	79.8	80.8	80.8	81.6	81.8	81.8	82.2	82.8	82.8	82.8	82.8	82.8	82.8
≥ 2500	58.6	79.7	84.1	85.0	86.0	86.0	87.0	87.2	87.2	87.6	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2000	61.4	84.9	89.7	90.6	91.6	91.6	92.7	92.9	92.9	93.3	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	61.4	84.9	89.7	90.6	91.6	91.6	92.7	92.9	92.9	93.3	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	61.7	85.8	90.9	91.9	92.9	92.9	94.0	94.3	94.3	94.7	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1200	62.3	87.4	92.6	93.8	94.7	95.0	95.8	96.1	96.1	96.6	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	62.4	87.6	92.8	94.0	94.9	95.3	96.0	96.3	96.3	96.8	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900	62.4	87.7	92.9	94.1	95.0	95.4	96.1	96.4	96.4	96.9	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	62.4	87.8	93.0	94.3	95.3	95.6	96.3	96.7	96.7	97.1	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	62.4	87.8	93.0	94.4	95.4	95.7	96.6	97.0	97.0	97.4	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	62.4	87.8	93.0	94.4	95.4	95.7	96.6	97.0	97.0	97.4	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	62.4	88.1	93.3	94.7	95.7	96.0	96.9	97.3	97.3	97.7	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	62.4	88.1	93.3	94.7	95.7	96.0	97.0	97.4	97.4	97.8	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	62.4	88.1	93.3	94.7	95.8	96.2	97.2	97.7	97.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200	62.4	88.1	93.3	94.7	95.8	96.2	97.2	97.7	97.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100	62.4	88.1	93.3	94.7	95.8	96.2	97.2	97.7	97.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1
≥ 0	62.4	88.1	93.3	94.7	95.8	96.2	97.2	97.7	97.7	98.2	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 222

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201 FORT LEWIS WASHINGTON/GRAY AAF 4061-02

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	21.5	29.8	31.8	33.1	34.0	34.1	34.8	35.1	35.6	36.2	36.6	36.8	37.0	37.1	37.3	37.4
≥ 20000	24.4	32.9	35.3	36.7	37.5	37.6	38.4	38.6	39.1	39.8	40.1	40.1	40.5	40.6	40.9	41.0
≥ 18000	24.4	32.9	35.3	36.7	37.5	37.6	38.4	38.6	39.1	39.8	40.1	40.1	40.5	40.6	40.9	41.0
≥ 16000	24.4	32.9	35.3	36.7	37.5	37.6	38.4	38.6	39.1	39.8	40.1	40.1	40.5	40.6	40.9	41.0
≥ 14000	24.8	33.3	35.7	37.1	38.0	38.1	38.8	39.0	39.6	40.2	40.5	40.5	41.0	41.1	41.3	41.4
≥ 12000	25.0	34.3	36.7	38.1	38.9	39.0	39.8	40.0	40.5	41.2	41.5	41.5	41.9	42.0	42.2	42.4
≥ 10000	27.0	35.8	38.2	39.6	40.4	40.5	41.3	41.6	42.2	42.8	43.1	43.1	43.5	43.7	43.9	44.0
≥ 9000	28.4	37.5	40.0	41.4	42.3	42.4	43.1	43.4	44.2	44.6	44.9	44.9	45.4	45.5	45.7	45.8
≥ 8000	30.0	39.8	42.8	44.2	45.1	45.2	45.9	46.2	46.8	47.4	47.7	47.7	48.2	48.3	48.5	48.6
≥ 7000	33.1	43.2	46.3	47.8	48.7	48.8	49.6	49.9	50.4	51.2	51.5	51.5	51.9	52.0	52.3	52.4
≥ 6000	36.9	48.0	51.3	52.8	53.7	53.8	54.5	54.8	55.4	56.1	56.5	56.5	56.9	57.0	57.2	57.3
≥ 5000	41.1	54.6	58.1	59.6	60.5	60.8	61.5	61.8	62.4	63.1	63.4	63.4	63.9	64.0	64.2	64.3
≥ 4500	42.6	57.1	60.8	62.3	63.3	63.5	64.3	64.6	65.2	65.9	66.2	66.2	66.7	66.8	67.0	67.1
≥ 4000	44.4	59.6	63.4	64.9	66.0	66.2	67.0	67.3	67.8	68.6	68.9	68.9	69.3	69.4	69.7	69.8
≥ 3500	46.3	64.8	68.9	70.6	71.7	71.9	72.7	73.0	73.5	74.3	74.6	74.6	75.1	75.2	75.4	75.5
≥ 3000	53.1	72.3	76.6	78.5	79.7	79.9	80.6	81.0	81.5	82.4	82.7	82.7	83.1	83.2	83.4	83.5
≥ 2500	55.2	75.7	80.1	82.2	83.5	83.8	84.5	84.8	85.4	86.2	86.6	86.6	87.1	87.1	87.3	87.4
≥ 2000	57.8	79.5	84.3	86.3	87.7	88.0	88.7	89.0	89.6	90.4	90.8	90.8	91.2	91.3	91.5	91.6
≥ 1800	58.1	79.7	84.5	86.6	88.0	88.2	88.9	89.2	89.8	90.6	91.0	91.0	91.4	91.5	91.7	91.8
≥ 1500	58.5	80.5	85.6	87.6	89.4	89.6	90.3	90.9	91.4	92.3	92.6	92.6	93.0	93.1	93.2	93.4
≥ 1200	58.6	81.6	86.9	89.1	90.9	91.1	91.8	92.4	92.9	93.8	94.1	94.1	94.5	94.6	94.8	94.9
≥ 1000	58.8	81.9	87.2	89.6	91.5	91.5	92.3	92.8	93.3	94.2	94.5	94.5	94.9	95.1	95.3	95.4
≥ 900	58.8	82.0	87.3	89.9	91.6	91.8	92.6	93.1	93.7	94.5	94.8	94.8	95.3	95.4	95.6	95.7
≥ 800	59.1	82.4	87.6	90.2	91.9	92.2	92.9	93.4	94.0	94.6	95.2	95.2	95.7	95.7	95.9	96.0
≥ 700	59.1	82.6	87.8	90.5	92.3	92.5	93.1	93.5	94.4	95.1	95.3	95.3	95.8	96.1	96.3	96.5
≥ 600	59.1	82.8	88.1	90.6	92.5	92.7	93.5	94.1	94.6	95.5	95.8	95.8	96.2	96.3	96.6	96.7
≥ 500	59.1	83.1	88.4	91.1	92.8	93.0	93.9	94.5	95.1	95.9	96.2	96.2	96.7	96.8	97.0	97.1
≥ 400	59.1	83.1	88.4	91.3	93.1	93.3	94.3	94.9	95.5	96.3	96.8	96.8	97.2	97.3	97.5	97.6
≥ 300	59.1	83.1	88.4	91.6	93.5	93.9	94.9	95.7	96.2	97.1	97.5	97.5	98.0	98.1	98.3	98.4
≥ 200	59.1	83.1	88.4	91.7	93.7	94.0	95.1	95.8	96.3	97.2	97.7	97.7	98.2	98.4	98.6	98.7
≥ 100	59.1	83.1	88.4	91.7	93.7	94.0	95.1	95.8	96.3	97.2	97.7	97.7	98.3	98.6	98.9	99.0
≥ 0	59.1	83.1	88.4	91.7	93.7	94.0	95.1	95.8	96.3	97.2	97.7	97.7	98.3	98.6	98.9	99.0

TOTAL NUMBER OF OBSERVATIONS

232

USAFETAC FORM 14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

MIKE LEWIS WASHINGTON/GRAY AAF
STATION NAME

40,61-70
YEARS

AR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	19.4	22.9	24.0	24.4	24.6	24.9	25.8	26.7	26.9	27.2	27.5	27.6	27.8	28.0	28.2	28.4
≥ 20000	24.2	28.2	29.4	30.0	30.4	30.7	31.7	32.6	32.8	33.2	33.5	33.6	33.8	34.0	34.2	34.5
≥ 18000	24.3	28.3	29.6	30.2	30.6	30.9	32.0	32.9	33.1	33.5	33.8	33.9	34.1	34.3	34.5	34.8
≥ 16000	24.8	28.7	30.1	30.7	31.1	31.4	32.5	33.4	33.6	34.0	34.3	34.4	34.6	34.8	35.0	35.3
≥ 14000	25.9	29.9	31.5	32.3	32.6	32.9	34.2	35.2	35.4	35.8	36.1	36.2	36.4	36.6	36.8	37.0
≥ 12000	27.1	31.3	32.6	33.6	34.0	34.3	35.6	36.6	36.8	37.1	37.4	37.5	37.7	37.9	38.1	38.4
≥ 10000	28.8	33.0	34.6	35.6	36.0	36.4	37.7	38.7	38.9	39.3	39.6	39.7	39.9	40.1	40.3	40.6
≥ 9000	30.1	34.3	36.3	37.2	37.6	38.0	39.4	40.4	40.6	41.0	41.3	41.3	41.5	41.7	41.9	42.2
≥ 8000	32.4	37.3	39.4	40.7	41.2	41.5	43.0	44.1	44.3	44.7	45.0	45.1	45.4	45.6	45.7	46.0
≥ 7000	37.1	42.8	45.0	46.2	46.7	47.1	48.6	49.7	49.9	50.2	50.6	50.7	51.1	51.3	51.5	51.8
≥ 6000	40.1	46.2	48.4	49.9	50.3	50.7	52.2	53.3	53.5	53.9	54.3	54.3	54.7	54.9	55.1	55.4
≥ 5000	43.4	51.2	53.8	55.3	55.8	56.2	57.7	58.7	58.9	59.3	59.7	59.8	60.2	60.4	60.6	60.9
≥ 4500	44.7	52.9	55.4	57.0	57.5	57.9	59.3	60.4	60.6	61.0	61.4	61.5	61.9	62.1	62.3	62.6
≥ 4000	47.5	56.3	58.8	60.4	60.9	61.4	63.0	64.0	64.2	64.6	65.0	65.1	65.5	65.7	65.9	66.4
≥ 3500	50.8	60.7	63.6	65.6	66.2	66.7	68.2	69.3	69.5	69.9	70.3	70.4	70.8	71.0	71.2	71.7
≥ 3000	54.8	66.2	69.4	71.7	72.5	73.0	74.7	75.8	76.0	76.3	76.7	76.9	77.4	77.6	77.8	78.4
≥ 2500	58.0	69.9	73.2	75.7	76.7	77.3	79.1	80.2	80.4	80.7	81.1	81.3	81.8	82.0	82.2	82.9
≥ 2000	61.0	74.8	78.2	80.7	81.9	82.5	84.3	85.3	85.5	86.0	86.4	86.6	87.1	87.3	87.5	88.2
≥ 1800	61.4	75.4	78.9	81.5	82.7	83.3	85.0	86.1	86.3	86.8	87.2	87.4	87.9	88.1	88.3	89.0
≥ 1500	61.6	76.0	79.6	82.2	83.5	84.1	85.8	86.9	87.1	87.6	88.0	88.2	88.7	88.9	89.1	89.7
≥ 1200	62.3	77.1	80.9	83.8	85.1	85.7	87.5	88.6	88.8	89.3	89.7	89.9	90.4	90.6	90.8	91.5
≥ 1000	62.4	77.6	81.7	84.6	86.1	86.7	88.5	89.5	89.7	90.3	90.7	90.9	91.4	91.6	91.8	92.5
≥ 900	62.4	77.6	81.8	84.7	86.4	87.0	88.8	89.8	90.0	90.5	91.0	91.2	91.7	91.9	92.1	92.8
≥ 800	62.7	78.1	82.3	85.1	87.9	87.5	89.4	90.5	90.7	91.3	91.7	91.9	92.4	92.6	92.8	93.4
≥ 700	62.9	78.4	82.9	85.7	87.5	88.1	90.0	91.1	91.3	92.0	92.4	92.6	93.1	93.3	93.5	94.1
≥ 600	62.9	78.4	82.9	85.9	87.8	88.4	90.3	91.4	91.6	92.3	92.7	92.9	93.4	93.5	93.7	94.4
≥ 500	62.9	78.5	83.1	86.2	88.1	88.7	90.7	91.9	92.1	92.9	93.3	93.5	93.9	94.2	94.5	95.2
≥ 400	62.9	78.5	83.1	86.2	88.2	88.8	90.8	92.1	92.3	93.1	93.5	93.6	94.1	94.5	94.9	95.8
≥ 300	62.9	78.5	83.1	86.3	88.4	89.1	91.3	92.6	92.8	93.6	94.2	94.4	94.9	95.1	95.9	96.8
≥ 200	62.9	78.5	83.1	86.3	88.4	89.1	91.4	92.9	93.1	94.0	94.6	95.0	95.6	96.1	96.7	97.8
≥ 100	62.9	78.5	83.1	86.3	88.4	89.1	91.4	92.9	93.1	94.0	94.7	95.1	95.8	96.3	96.9	98.1
≥ 0	62.9	78.5	83.1	86.3	88.4	89.1	91.4	92.9	93.1	94.0	94.7	95.1	95.8	96.3	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1223

USAF ETAC

FORM
AR 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

40261-70
YEARS

AR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅓	≥⅓	≥0	≥0
NO CEILING	19.9	23.2	24.3	24.9	26.0	26.0	26.2	26.4	26.4	26.5	26.6	26.6	26.6	26.6	26.7	26.8
≥20000	26.7	30.6	32.1	32.7	34.0	34.0	34.1	34.3	34.3	34.4	34.6	34.6	34.6	34.6	34.7	34.9
≥18000	36.9	30.8	32.3	32.9	34.1	34.1	34.3	34.5	34.5	34.6	34.8	34.8	34.8	34.8	34.9	35.0
≥16000	27.3	31.3	32.8	33.4	34.6	34.6	34.8	35.0	35.0	35.1	35.3	35.3	35.3	35.3	35.4	35.5
≥14000	27.6	31.6	33.2	33.8	35.0	35.0	35.2	35.4	35.4	35.5	35.7	35.7	35.7	35.7	35.8	35.9
≥12000	30.3	34.5	36.1	36.7	38.0	38.0	38.2	38.5	38.5	38.6	38.7	38.7	38.7	38.7	38.8	38.9
≥10000	32.6	37.2	38.7	39.3	40.2	40.8	41.0	41.3	41.3	41.4	41.6	41.6	41.6	41.6	41.7	41.8
≥9000	34.0	38.6	40.5	41.2	42.7	42.7	42.9	43.2	43.2	43.2	43.4	43.4	43.4	43.4	43.5	43.6
≥8000	38.3	43.3	45.2	46.0	47.5	47.5	47.7	47.9	47.9	48.0	48.2	48.2	48.2	48.2	48.3	48.4
≥7000	41.7	47.1	48.9	49.7	51.2	51.2	51.4	51.7	51.8	51.9	52.1	52.1	52.1	52.1	52.2	52.3
≥6000	43.3	49.1	51.1	51.9	53.3	53.3	53.5	53.8	53.9	54.0	54.2	54.2	54.2	54.2	54.3	54.4
≥5000	45.9	52.3	54.2	55.0	56.5	56.5	56.8	57.0	57.1	57.2	57.6	57.6	57.6	57.6	57.7	57.8
≥4500	47.1	53.6	55.7	56.5	57.9	57.9	58.2	58.5	58.6	58.7	59.1	59.1	59.1	59.1	59.2	59.3
≥4000	49.3	56.4	58.4	59.4	60.9	61.2	61.4	61.7	61.8	61.9	62.3	62.3	62.3	62.3	62.4	62.5
≥3500	53.1	60.9	63.1	64.3	65.8	66.1	66.4	66.7	66.8	66.9	67.3	67.3	67.3	67.3	67.4	67.5
≥3000	57.7	66.9	69.6	70.9	72.8	73.2	73.5	73.8	73.9	74.0	74.5	74.5	74.5	74.5	74.6	74.7
≥2500	72.2	77.6	80.6	82.5	84.6	85.1	85.5	85.8	85.9	86.0	86.5	86.5	86.5	86.5	86.6	86.7
≥2000	76.5	81.8	84.8	86.0	88.3	88.7	89.5	89.8	89.9	90.0	90.5	90.5	90.5	90.5	90.6	90.7
≥1800	79.8	82.8	86.0	88.1	90.5	91.0	91.9	92.2	92.3	92.4	92.9	92.9	92.9	92.9	93.0	93.1
≥1600	70.1	83.7	87.0	89.3	91.8	92.3	93.2	93.5	93.6	93.7	94.2	94.2	94.2	94.2	94.3	94.4
≥1400	70.1	83.7	87.1	89.4	91.9	92.4	93.2	93.8	93.9	94.0	94.5	94.5	94.5	94.5	94.6	94.7
≥1200	70.1	83.8	87.4	90.0	92.5	93.0	93.9	94.5	94.6	94.7	95.4	95.4	95.4	95.4	95.5	95.7
≥1000	70.3	84.0	87.7	90.5	93.0	93.4	94.4	95.1	95.2	95.4	96.1	96.1	96.1	96.1	96.2	96.4
≥900	70.3	84.1	87.9	90.8	93.2	93.8	94.8	95.6	95.7	95.9	96.6	96.6	96.6	96.6	96.6	96.7
≥800	70.3	84.1	88.0	91.0	93.4	94.0	95.1	95.9	96.0	96.2	97.0	97.0	97.0	97.0	97.2	97.3
≥700	70.3	84.1	88.0	91.0	93.6	94.2	95.3	96.2	96.3	96.5	97.4	97.4	97.4	97.5	97.7	97.8
≥600	70.3	84.1	88.0	91.0	93.7	94.3	95.5	96.4	96.5	96.6	97.7	97.7	97.7	97.8	98.0	98.1
≥500	70.3	84.1	88.0	91.0	93.7	94.3	95.5	96.5	96.6	96.7	97.8	97.8	97.8	97.9	98.1	98.2
≥400	70.3	84.1	88.0	91.0	93.7	94.3	95.5	96.5	96.6	96.7	97.8	97.8	97.8	97.9	98.1	98.2
≥300	70.3	84.1	88.0	91.0	93.7	94.3	95.5	96.5	96.6	96.7	97.8	97.8	97.8	97.9	98.1	98.2
≥200	70.3	84.1	88.0	91.0	93.7	94.3	95.5	96.5	96.6	96.7	97.8	97.8	97.8	97.9	98.1	98.2
≥100	70.3	84.1	88.0	91.0	93.7	94.3	95.5	96.5	96.6	96.7	97.8	97.8	97.8	97.9	98.1	98.2
≥0	70.3	84.1	88.0	91.0	93.7	94.3	95.5	96.5	96.6	96.7	97.8	97.8	97.8	97.9	98.1	98.2

TOTAL NUMBER OF OBSERVATIONS 1022

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FIGHT LEWIS WASHINGTON/GRAY AAF
STATION NAME

40261-70
YEARS

1-AR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	24.7	26.5	26.9	27.2	27.4	27.4	27.5	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 20000	32.4	34.4	34.8	35.2	35.4	35.4	35.5	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 18000	32.6	34.6	35.0	35.4	35.6	35.6	35.7	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 16000	33.2	35.3	35.7	36.1	36.3	36.3	36.4	36.4	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 14000	34.5	36.6	37.0	37.3	37.5	37.5	37.6	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 12000	36.0	38.6	39.0	39.4	39.6	39.6	39.7	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 10000	38.8	40.9	41.4	41.8	42.1	42.1	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 9000	40.3	41.6	42.2	42.6	42.9	42.9	43.0	43.0	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 8000	41.7	44.3	44.9	45.3	45.6	45.6	45.7	45.7	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9
≥ 7000	45.1	47.9	48.5	48.9	49.2	49.2	49.4	49.4	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6
≥ 6000	46.4	49.7	50.2	50.6	50.9	50.9	51.1	51.1	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3
≥ 5000	47.8	51.6	52.2	52.6	53.2	53.2	53.4	53.4	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6
≥ 4500	48.5	52.6	53.3	53.7	54.3	54.3	54.4	54.4	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6
≥ 4000	52.8	57.2	58.1	58.6	59.1	59.1	59.3	59.3	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5
≥ 3500	59.2	64.4	65.7	66.3	66.9	66.9	67.1	67.1	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3
≥ 3000	65.4	71.9	73.4	74.0	74.6	74.6	74.8	74.8	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0
≥ 2500	72.5	79.6	81.4	82.1	82.7	82.8	83.0	83.0	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	77.4	86.0	88.1	88.9	89.7	89.9	90.1	90.1	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1800	78.5	87.6	89.6	90.4	91.3	91.5	91.7	91.7	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	79.2	89.3	91.7	92.5	93.7	93.9	94.1	94.1	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200	80.4	91.1	93.6	94.6	96.0	96.2	96.5	96.5	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	80.5	91.5	94.1	95.2	96.7	97.0	97.3	97.4	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900	80.6	91.9	94.5	95.7	97.2	97.5	97.8	97.8	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	80.6	92.0	94.6	95.9	97.4	97.7	97.9	98.0	98.0	98.2	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	80.6	92.0	94.9	96.4	97.8	98.1	98.4	98.5	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	80.6	92.0	94.9	96.5	97.9	98.3	98.7	98.8	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	80.6	92.0	94.9	96.9	98.3	98.7	99.1	99.2	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8
≥ 400	80.6	92.0	94.9	96.9	98.4	98.8	99.2	99.3	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	80.6	92.0	94.9	96.9	98.4	98.8	99.2	99.3	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	80.6	92.0	94.9	96.9	98.4	98.8	99.2	99.3	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	80.6	92.0	94.9	96.9	98.4	98.8	99.2	99.3	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	80.6	92.0	94.9	96.9	98.4	98.8	99.2	99.3	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

242.1 STATION FORT LEWIS WASHINGTON/GRAY AAF 40.61-70

YEARS

AR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	29.0	29.6	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 20000	38.8	38.8	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 18000	38.8	38.6	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 16000	39.4	39.4	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 14000	42.0	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 12000	43.0	43.0	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 10000	46.8	46.9	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 9000	46.0	46.1	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 8000	50.0	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 7000	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 6000	57.0	57.9	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 5000	58.7	60.2	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 4500	61.1	62.6	63.0	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 4000	65.3	67.2	67.8	68.1	68.2	68.3	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 3500	70.9	71.2	74.3	74.6	74.8	74.9	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3000	75.8	76.3	82.4	82.7	82.9	83.0	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	81.2	86.0	87.6	88.1	88.3	88.5	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	94.7	91.5	93.4	94.1	94.3	94.5	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800	95.0	91.9	93.7	94.6	94.8	95.0	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	95.5	92.9	94.8	95.8	96.2	96.4	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	95.7	93.6	95.9	96.9	97.5	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	95.8	93.7	96.0	97.1	97.7	97.8	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	95.8	93.7	96.0	97.4	97.9	98.2	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	96.0	93.9	96.3	97.7	98.2	98.5	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	96.0	93.9	96.4	97.8	98.5	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	96.0	93.9	96.4	97.8	98.5	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	96.0	93.9	96.4	97.8	98.6	98.9	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	96.0	93.9	96.4	97.8	98.6	98.9	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	96.0	93.9	96.4	97.8	98.6	98.9	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	96.0	93.9	96.4	97.8	98.6	98.9	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	96.0	93.9	96.4	97.8	98.6	98.9	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	96.0	93.9	96.4	97.8	98.6	98.9	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 1023

DATA PROCESSING DIVISION
SAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

40,61-70
YEARS

1 AR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	14.6	16.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 20000	41.3	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 18000	41.4	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 16000	42.4	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 14000	44.1	46.4	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 12000	45.7	48.1	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 10000	48.0	51.1	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 9000	49.8	52.4	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 8000	53.3	56.3	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 7000	57.1	60.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 6000	60.1	64.8	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 5000	63.9	69.3	70.1	70.3	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 4500	66.1	71.6	72.3	72.5	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000	70.5	76.3	77.3	77.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3500	73.1	79.3	80.4	80.7	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3000	76.4	84.3	85.4	85.8	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2500	79.7	87.5	88.7	89.1	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2000	83.3	92.9	94.3	94.8	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800	83.6	93.2	94.7	95.2	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500	84.0	93.8	95.4	95.9	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	84.3	94.3	96.0	96.5	97.0	97.0	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	84.6	94.7	96.6	97.1	97.6	97.6	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900	84.7	94.8	96.7	97.3	97.8	97.8	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	84.8	94.9	96.8	97.5	98.1	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	84.8	94.9	96.8	97.5	98.1	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	84.8	94.9	96.8	97.5	98.1	98.2	98.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	84.8	94.9	96.8	97.5	98.1	98.2	98.7	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	84.8	94.9	96.8	97.5	98.1	98.2	98.8	99.1	99.2	99.4	99.6	99.6	99.6	99.6	99.6
≥ 300	84.8	94.9	96.8	97.5	98.1	98.2	98.8	99.1	99.2	99.5	99.7	99.8	99.8	99.9	99.9
≥ 200	84.8	94.9	96.8	97.5	98.1	98.2	98.8	99.1	99.2	99.5	99.7	99.8	99.8	100.0	100.0
≥ 100	84.8	94.9	96.8	97.5	98.1	98.2	98.8	99.1	99.2	99.5	99.7	99.8	99.8	100.0	100.0
≥ 0	84.8	94.9	96.8	97.5	98.1	98.2	98.8	99.1	99.2	99.5	99.7	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1223

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

UNIT LERIS WASHINGTON/GRAY AAF

40,61-70

YEARS

PER MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	25.1	40.4	41.3	41.8	41.8	41.7	41.9	41.9	41.9	42.1	42.1	42.1	42.2	42.2	42.2	42.2
≥ 20000	27.4	42.9	44.0	44.7	44.7	44.7	44.8	44.8	44.8	45.0	45.0	45.0	45.1	45.1	45.1	45.1
≥ 18000	27.5	43.0	44.1	44.8	44.8	44.8	44.9	44.9	44.9	45.1	45.1	45.1	45.2	45.2	45.2	45.2
≥ 16000	27.5	43.0	44.1	44.8	44.8	44.8	44.9	44.9	44.9	45.1	45.1	45.1	45.2	45.2	45.2	45.2
≥ 14000	29.2	44.9	45.9	46.7	46.7	46.7	46.8	46.8	46.8	47.0	47.0	47.0	47.1	47.1	47.1	47.1
≥ 12000	31.0	46.8	47.6	48.6	48.6	48.6	48.7	48.7	48.7	48.9	48.9	48.9	49.0	49.0	49.0	49.0
≥ 10000	43.0	49.7	50.7	51.5	51.5	51.5	51.6	51.6	51.6	51.8	51.8	51.8	51.9	51.9	51.9	51.9
≥ 9000	43.2	51.7	52.7	53.5	53.5	53.5	53.6	53.6	53.6	53.8	53.8	53.8	53.9	53.9	53.9	53.9
≥ 8000	47.9	54.4	55.4	56.3	56.3	56.3	56.4	56.4	56.4	56.6	56.6	56.6	56.7	56.7	56.7	56.7
≥ 7000	51.5	59.5	60.5	61.3	61.3	61.3	61.4	61.4	61.4	61.6	61.6	61.6	61.7	61.7	61.7	61.7
≥ 6000	54.6	62.9	63.9	64.7	64.7	64.7	64.8	64.8	64.8	65.0	65.0	65.0	65.1	65.1	65.1	65.1
≥ 5000	58.0	67.8	69.5	70.4	70.5	70.5	70.6	70.6	70.6	70.8	70.8	70.8	70.9	70.9	70.9	70.9
≥ 4500	59.9	70.3	72.1	73.0	73.1	73.1	73.2	73.2	73.2	73.4	73.4	73.4	73.5	73.5	73.5	73.5
≥ 4000	63.4	75.4	77.2	78.1	78.2	78.2	78.3	78.3	78.3	78.5	78.5	78.5	78.6	78.6	78.6	78.6
≥ 3500	66.2	78.5	80.3	81.6	81.7	81.7	81.8	81.8	81.8	82.0	82.0	82.0	82.1	82.1	82.1	82.1
≥ 3000	70.7	84.6	86.8	87.7	87.8	87.8	87.9	87.9	87.9	88.1	88.1	88.1	88.2	88.2	88.2	88.2
≥ 2500	72.8	87.7	90.1	91.0	91.1	91.1	91.2	91.2	91.2	91.4	91.4	91.4	91.5	91.5	91.5	91.5
≥ 2000	75.7	92.2	94.9	95.8	95.9	95.9	96.0	96.0	96.0	96.2	96.2	96.2	96.3	96.3	96.3	96.3
≥ 1800	75.9	92.6	95.3	96.2	96.3	96.3	96.4	96.4	96.4	96.6	96.6	96.6	96.7	96.7	96.7	96.7
≥ 1500	76.4	93.5	96.7	97.6	97.7	97.7	97.8	97.8	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1
≥ 1200	76.4	93.5	96.8	97.8	97.9	97.9	98.0	98.0	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.3
≥ 1000	76.4	93.5	96.8	97.8	97.9	97.9	98.0	98.0	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.3
≥ 900	76.4	93.5	96.8	97.8	97.9	97.9	98.0	98.0	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.3
≥ 800	76.4	94.0	97.3	98.3	98.4	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 700	76.4	94.0	97.3	98.3	98.4	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 600	76.4	94.0	97.3	98.3	98.4	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 500	76.4	94.0	97.3	98.3	98.4	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 400	76.4	94.0	97.3	98.3	98.4	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 300	76.4	94.0	97.3	98.3	98.4	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 200	76.4	94.0	97.3	98.3	98.4	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 100	76.4	94.0	97.3	98.3	98.4	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 0	76.4	94.0	97.3	98.3	98.4	98.4	98.5	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS

292

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ IAC

CEILING VERSUS VISIBILITY

242.1
STATION

EDPT LEWIS WASHINGTON/GRAY AAF

39-40,61-69

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING	12.1	38.8	39.9	40.6	40.9	40.9	41.1	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2
≥ 20000	40.1	45.3	46.6	47.4	47.9	47.9	48.2	48.2	48.2	48.2	48.3	48.3	48.4	48.4	48.4	48.4
≥ 18000	38.1	45.3	46.6	47.4	47.9	47.9	48.2	48.2	48.2	48.2	48.3	48.3	48.4	48.4	48.4	48.4
≥ 16000	36.1	45.3	46.6	47.4	47.9	47.9	48.2	48.2	48.2	48.2	48.3	48.3	48.4	48.4	48.4	48.4
≥ 14000	38.3	45.5	46.8	47.6	48.1	48.1	48.4	48.4	48.4	48.4	48.5	48.5	48.6	48.6	48.6	48.6
≥ 12000	39.1	46.3	47.6	48.4	48.9	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.4	49.4	49.4	49.4
≥ 10000	41.8	47.6	51.0	51.8	52.3	52.3	52.6	52.6	52.6	52.6	52.7	52.7	52.8	52.8	52.8	52.8
≥ 9000	43.3	51.2	52.5	53.3	53.8	53.8	54.1	54.1	54.1	54.1	54.2	54.2	54.3	54.3	54.3	54.3
≥ 8000	46.1	54.9	56.5	57.4	58.0	58.0	58.3	58.3	58.3	58.3	58.4	58.4	58.5	58.5	58.5	58.5
≥ 7000	49.0	58.3	60.2	61.2	61.7	61.7	62.0	62.0	62.0	62.0	62.1	62.1	62.2	62.2	62.2	62.2
≥ 6000	52.1	61.5	63.5	64.5	65.0	65.0	65.3	65.3	65.3	65.5	65.5	65.6	65.6	65.7	65.8	65.8
≥ 5000	55.2	66.4	68.4	69.4	70.0	70.0	70.4	70.4	70.4	70.5	70.5	70.6	70.6	70.7	70.8	70.8
≥ 4500	57.0	68.7	70.8	71.8	72.4	72.4	72.8	72.8	72.8	72.9	73.0	73.0	73.2	73.3	73.3	73.3
≥ 4000	61.2	73.4	75.7	76.7	77.3	77.3	77.7	77.7	77.7	77.8	77.9	77.9	78.0	78.1	78.1	78.1
≥ 3500	63.6	76.8	79.2	80.2	81.0	81.0	81.4	81.4	81.4	81.5	81.5	81.6	81.7	81.8	81.8	81.8
≥ 3000	66.9	81.2	82.7	84.7	85.4	85.4	85.8	85.8	85.8	85.9	85.9	86.0	86.0	86.1	86.2	86.2
≥ 2500	69.6	84.6	87.2	88.4	89.3	89.3	89.7	89.7	89.7	89.8	89.8	89.9	89.9	90.0	90.1	90.1
≥ 2000	72.0	88.3	91.5	92.7	93.6	93.6	94.0	94.0	94.0	94.1	94.1	94.2	94.2	94.3	94.4	94.4
≥ 1800	73.5	89.3	92.4	93.6	94.5	94.5	94.9	94.9	94.9	95.0	95.0	95.1	95.1	95.2	95.3	95.3
≥ 1500	74.1	90.2	93.4	94.7	95.6	95.6	96.0	96.0	96.0	96.1	96.1	96.2	96.2	96.3	96.4	96.4
≥ 1200	75.1	91.3	94.7	96.0	97.1	97.1	97.5	97.5	97.5	97.6	97.6	97.7	97.7	97.8	97.9	97.9
≥ 1000	75.4	91.6	95.5	96.9	97.9	97.9	98.5	98.5	98.5	98.6	98.6	98.7	98.7	98.8	98.9	98.9
≥ 900	75.4	91.8	95.5	96.9	97.9	97.9	98.5	98.5	98.5	98.6	98.6	98.7	98.7	98.8	98.9	98.9
≥ 800	75.5	91.9	95.6	97.0	98.0	98.0	98.6	98.6	98.6	98.7	98.7	98.8	98.8	98.9	99.0	99.0
≥ 700	75.5	92.0	95.7	97.1	98.1	98.1	98.7	98.7	98.7	98.8	98.8	98.9	98.9	99.0	99.1	99.1
≥ 600	75.5	92.0	96.0	97.4	98.4	98.4	99.0	99.0	99.0	99.1	99.1	99.2	99.2	99.3	99.4	99.4
≥ 500	75.5	92.0	96.0	97.4	98.4	98.4	99.0	99.0	99.0	99.1	99.1	99.2	99.2	99.3	99.4	99.4
≥ 400	75.5	92.0	96.0	97.5	98.6	98.6	99.2	99.2	99.2	99.3	99.3	99.4	99.4	99.5	99.6	99.6
≥ 300	75.5	92.0	96.0	97.5	98.7	98.7	99.3	99.3	99.3	99.4	99.4	99.5	99.5	99.6	99.7	99.7
≥ 200	75.5	92.0	96.0	97.5	98.7	98.7	99.3	99.3	99.3	99.4	99.4	99.5	99.5	99.6	99.7	99.7
≥ 100	75.5	92.0	96.0	97.5	98.7	98.7	99.3	99.3	99.3	99.4	99.4	99.5	99.5	99.6	99.7	99.7
≥ 0	75.5	92.0	96.0	97.5	98.7	98.7	99.3	99.3	99.3	99.4	99.4	99.5	99.5	99.6	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

947

USAFETAC

FORM
10-64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

EDT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,61-70
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS, LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	22.7	27.9	29.6	31.3	30.7	30.7	30.0	31.0	31.0	31.4	31.4	31.4	31.6	31.6	31.6	31.6
≥ 20000	20.1	34.4	36.2	37.1	37.7	37.7	37.8	38.0	38.0	38.4	38.5	38.5	38.7	38.7	38.7	38.7
≥ 18000	15.2	34.5	36.3	37.3	38.0	38.0	38.1	38.7	38.3	38.7	38.6	38.3	39.0	39.0	39.0	39.0
≥ 16000	10.3	34.6	36.4	37.4	38.1	38.1	38.2	38.4	38.4	38.8	38.9	38.9	39.1	39.1	39.1	39.1
≥ 14000	28.8	35.1	37.0	38.0	38.7	38.7	38.8	39.0	39.0	39.4	39.5	39.5	39.7	39.7	39.7	39.7
≥ 12000	29.9	36.2	38.1	39.1	39.8	39.8	39.9	40.1	40.1	40.5	40.6	40.6	40.8	40.8	40.8	40.8
≥ 10000	22.1	37.4	41.4	42.4	43.1	43.1	43.2	43.4	43.4	43.8	43.9	43.9	44.1	44.1	44.1	44.1
≥ 9000	33.0	40.3	42.3	43.3	44.0	44.0	44.1	44.2	44.3	44.7	44.8	44.8	45.0	45.0	45.0	45.0
≥ 8000	24.9	42.5	44.7	45.8	46.5	46.5	46.6	46.8	46.8	47.2	47.3	47.3	47.5	47.5	47.5	47.5
≥ 7000	38.0	46.8	49.0	50.2	50.9	50.9	51.0	51.2	51.2	51.6	51.7	51.7	51.9	51.9	51.9	51.9
≥ 6000	41.5	50.2	52.6	53.9	54.6	54.6	54.7	54.9	54.9	55.3	55.4	55.4	55.6	55.6	55.6	55.6
≥ 5000	45.0	54.4	56.9	58.2	58.9	58.9	59.0	59.2	59.2	59.6	59.7	59.7	59.9	59.9	59.9	59.9
≥ 4500	46.4	56.0	58.5	59.8	60.5	60.5	60.6	60.8	60.8	61.2	61.3	61.3	61.5	61.5	61.5	61.5
≥ 4000	50.4	60.5	63.2	64.5	65.2	65.2	65.3	65.5	65.5	65.9	66.0	66.0	66.2	66.2	66.2	66.2
≥ 3500	54.2	65.1	68.1	69.4	70.2	70.2	70.3	70.5	70.5	70.9	71.0	71.0	71.2	71.2	71.2	71.2
≥ 3000	57.9	70.2	73.5	74.9	75.8	76.0	76.2	76.4	76.4	76.8	76.9	76.9	77.1	77.1	77.1	77.1
≥ 2500	51.2	75.3	78.8	80.3	81.3	81.5	81.7	81.9	81.9	82.3	82.4	82.4	82.6	82.6	82.6	82.6
≥ 2000	65.0	80.8	84.6	86.2	87.4	87.0	87.6	88.0	88.0	88.4	88.5	88.5	88.7	88.7	88.7	88.7
≥ 1800	66.1	82.6	86.4	88.0	89.2	89.4	89.6	89.8	89.8	90.3	90.4	90.4	90.6	90.6	90.6	90.6
≥ 1500	66.7	83.4	87.3	89.1	90.4	90.6	90.8	91.0	91.0	91.4	91.5	91.5	91.7	91.7	91.7	91.7
≥ 1200	67.7	85.2	89.3	91.2	92.4	92.6	92.8	93.0	93.0	93.4	93.5	93.5	93.7	93.7	93.7	93.7
≥ 1000	68.3	85.9	90.1	91.9	93.1	93.4	93.9	94.1	94.1	94.5	94.6	94.6	94.8	94.8	94.8	94.8
≥ 900	68.3	85.9	90.4	92.2	93.4	93.7	94.2	94.4	94.4	94.8	94.9	94.9	95.1	95.1	95.1	95.1
≥ 800	68.3	85.9	90.4	92.3	93.5	93.8	94.4	94.6	94.6	95.0	95.1	95.1	95.3	95.3	95.3	95.3
≥ 700	68.3	86.1	90.7	92.6	93.8	94.1	94.7	94.9	94.9	95.3	95.4	95.4	95.6	95.6	95.6	95.6
≥ 600	68.4	86.5	91.1	93.1	94.3	94.6	95.2	95.4	95.4	95.8	95.9	95.9	96.1	96.1	96.1	96.1
≥ 500	68.5	86.9	91.5	93.5	94.8	95.1	95.7	95.9	95.9	96.4	96.5	96.5	96.7	96.7	96.7	96.7
≥ 400	68.5	87.0	91.6	93.7	95.0	95.3	95.9	96.2	96.3	96.8	96.9	96.9	97.2	97.2	97.2	97.2
≥ 300	68.6	87.1	91.7	93.8	95.1	95.4	96.2	96.7	96.8	97.3	97.5	97.5	97.8	97.8	97.8	97.8
≥ 200	68.6	87.1	91.7	93.8	95.2	95.5	96.4	97.0	97.1	97.6	97.9	97.9	98.2	98.2	98.2	98.2
≥ 100	68.6	87.1	91.7	93.8	95.2	95.5	96.4	97.0	97.2	97.7	98.0	98.0	98.5	98.5	98.5	98.5
≥ 0	68.6	87.1	91.7	93.8	95.2	95.5	96.4	97.0	97.2	97.7	98.0	98.0	98.5	98.5	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS

725

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24241 STATION FORT LEWIS WASHINGTON/GRAY AAF 39-40.61-70 YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0500
HOURS UTC

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	23.0	25.6	26.1	26.5	26.7	26.9	27.4	27.4	27.8	28.1	28.2	28.2	28.2	28.2	28.2	28.5
≥ 20000	28.8	32.2	33.2	33.9	34.3	34.5	35.1	35.1	35.5	35.6	35.9	35.9	35.9	35.9	35.9	36.2
≥ 18000	28.9	32.3	33.3	34.1	34.5	34.8	35.0	35.0	35.9	36.3	36.4	36.4	36.4	36.4	36.4	36.7
≥ 16000	29.4	32.8	33.8	34.5	35.0	35.3	36.0	36.0	36.4	36.8	36.9	36.9	36.9	36.9	36.9	37.1
≥ 14000	29.9	33.4	34.4	35.2	35.6	35.9	36.7	36.7	37.0	37.4	37.5	37.5	37.5	37.5	37.5	37.8
≥ 12000	31.2	34.8	36.1	36.9	37.3	37.6	38.3	38.3	38.7	39.1	39.2	39.2	39.2	39.2	39.2	39.4
≥ 10000	33.2	37.2	38.6	39.4	39.8	40.1	40.8	40.8	41.2	41.6	41.7	41.7	41.7	41.7	41.7	41.7
≥ 9000	33.7	38.0	39.4	40.1	40.6	40.8	41.6	41.7	42.0	42.4	42.5	42.5	42.5	42.5	42.5	42.8
≥ 8000	37.0	41.9	43.2	44.1	44.5	44.8	45.6	45.6	46.1	46.5	46.6	46.6	46.6	46.6	46.6	46.9
≥ 7000	40.5	45.6	46.9	47.8	48.2	48.5	49.3	49.4	49.8	50.2	50.3	50.3	50.3	50.3	50.3	50.6
≥ 6000	43.8	49.5	51.1	51.9	52.5	52.8	53.6	53.7	54.2	54.5	54.6	54.6	54.6	54.6	54.6	54.9
≥ 5000	46.7	52.6	54.5	55.4	56.0	56.3	57.1	57.2	57.7	58.1	58.2	58.2	58.2	58.2	58.2	58.5
≥ 4500	49.4	55.6	57.7	58.5	59.2	59.4	60.3	60.4	60.8	61.2	61.4	61.4	61.4	61.4	61.4	61.7
≥ 4000	53.5	60.6	62.8	63.9	64.5	64.8	65.6	65.7	66.2	66.6	66.8	66.8	66.8	66.8	66.8	67.1
≥ 3500	57.3	65.1	67.8	68.9	69.7	70.0	70.9	71.0	71.5	71.9	72.0	72.0	72.0	72.0	72.0	72.3
≥ 3000	60.4	68.6	71.4	72.9	74.0	74.3	75.2	75.3	75.7	76.1	76.3	76.3	76.3	76.3	76.3	76.6
≥ 2500	64.8	73.4	76.5	78.0	79.1	79.4	80.4	80.5	81.1	81.5	81.7	81.7	81.7	81.7	81.7	81.9
≥ 2000	69.7	79.7	83.0	84.5	85.9	86.2	87.2	87.8	88.2	88.6	88.9	88.9	88.9	88.9	88.9	89.2
≥ 1800	70.0	80.3	83.7	85.4	86.8	87.0	88.1	88.6	89.1	89.4	89.7	89.7	89.7	89.7	89.7	90.0
≥ 1500	71.1	81.9	85.6	87.4	88.8	89.2	90.2	90.7	91.2	91.6	91.9	91.9	91.9	91.9	91.9	92.1
≥ 1200	72.2	83.1	87.0	88.9	90.3	90.6	91.7	92.2	92.7	93.1	93.3	93.3	93.3	93.3	93.3	93.6
≥ 1000	72.8	83.7	87.7	89.5	90.9	91.4	92.6	93.3	93.8	94.2	94.4	94.4	94.4	94.4	94.4	94.7
≥ 900	72.8	83.9	88.1	90.0	91.4	91.9	93.1	93.9	94.4	94.7	95.0	95.0	95.0	95.0	95.0	95.3
≥ 800	72.8	84.2	88.8	90.7	92.1	92.6	94.1	94.9	95.4	95.5	96.1	96.1	96.1	96.1	96.1	96.4
≥ 700	72.8	84.4	89.1	91.1	92.5	93.0	94.4	95.3	95.7	96.2	96.5	96.5	96.5	96.5	96.5	96.8
≥ 600	72.8	84.4	89.2	91.2	92.7	93.1	94.7	95.6	96.0	96.5	96.8	96.8	96.8	96.8	96.8	97.1
≥ 500	72.8	84.4	89.2	91.2	92.7	93.1	94.7	95.6	96.1	96.6	96.9	96.9	96.9	96.9	96.9	97.1
≥ 400	72.8	84.4	89.3	91.4	93.0	93.5	95.3	96.4	96.9	97.4	97.7	97.7	97.7	97.7	97.7	98.0
≥ 300	72.8	84.4	89.3	91.4	93.0	93.6	95.6	96.9	97.3	98.0	98.4	98.4	98.4	98.4	98.4	98.7
≥ 200	72.8	84.4	89.3	91.4	93.0	93.6	95.6	96.9	97.3	98.0	98.8	98.8	98.8	98.8	98.8	99.0
≥ 100	72.8	84.4	89.3	91.4	93.0	93.6	95.6	96.9	97.3	98.0	98.8	98.8	98.8	98.8	98.8	99.0
≥ 0	72.8	84.4	89.3	91.4	93.0	93.6	95.6	96.9	97.3	98.0	98.8	98.8	98.8	98.8	98.8	99.0

TOTAL NUMBER OF OBSERVATIONS 1200

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,61-70
YEARS

1 PR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.3	≥.25	≥.2	≥.16	≥.1	≥0
NO CEILING	19.4	20.4	20.6	20.7	20.7	20.8	21.3	21.3	21.4	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 20000	26.0	27.8	28.1	28.6	28.6	28.7	29.3	29.4	29.4	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 18000	26.6	28.3	28.7	29.3	29.3	29.4	29.9	30.0	30.1	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 16000	26.6	28.3	28.7	29.3	29.3	29.4	29.9	30.0	30.1	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 14000	27.6	29.4	29.8	30.4	30.4	30.5	31.0	31.1	31.2	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 12000	29.8	31.9	32.3	32.9	32.9	33.0	33.6	33.7	33.8	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 10000	31.6	33.9	34.3	34.8	34.8	34.9	35.6	35.6	35.7	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 9000	32.4	34.9	35.3	35.8	35.8	35.9	36.6	36.7	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 8000	33.3	37.9	38.2	38.8	38.8	38.9	39.6	39.7	39.8	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 7000	38.1	40.8	41.3	41.9	41.9	41.9	42.7	42.8	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 6000	39.5	42.4	42.9	43.4	43.4	43.5	44.3	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 5000	41.3	44.4	45.2	45.8	45.9	46.0	46.8	46.9	46.9	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 4500	42.4	46.0	46.9	47.6	47.7	47.8	48.5	48.6	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 4000	46.9	51.2	52.3	53.1	53.1	53.2	54.0	54.2	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 3500	51.9	55.4	57.6	58.3	58.4	58.5	59.3	59.4	59.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 3000	58.7	64.2	65.4	66.1	66.2	66.3	67.1	67.5	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 2500	67.4	73.8	75.0	75.8	75.9	76.0	76.9	77.2	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 2000	75.1	81.9	83.2	84.1	84.2	84.3	85.1	85.5	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	76.9	83.8	85.1	85.9	86.0	86.1	86.9	87.3	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500	79.0	86.9	88.3	89.2	89.3	89.4	90.2	90.6	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1200	80.5	88.9	90.4	91.4	91.6	91.7	92.6	93.1	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1000	81.2	89.9	91.5	92.6	93.1	93.1	94.1	94.5	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 900	81.3	90.3	91.9	93.3	93.9	94.0	94.9	95.4	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800	81.5	90.8	92.5	94.1	94.8	94.9	95.8	96.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	81.6	91.1	92.8	94.4	95.3	95.5	96.6	97.0	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	81.6	91.1	92.9	94.7	95.9	96.2	97.5	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	81.6	91.1	93.0	94.8	96.0	96.4	97.9	98.5	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	81.6	91.1	93.0	94.8	96.1	96.5	98.1	98.7	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	81.6	91.1	93.1	94.9	96.2	96.6	98.1	98.8	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	81.6	91.1	93.1	94.9	96.2	96.6	98.1	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	81.6	91.1	93.1	94.9	96.2	96.6	98.1	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	81.6	91.1	93.1	94.9	96.2	96.6	98.1	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1022

DATA PROCESSING DIVISION
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40261-70
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	20.9	21.6	21.9	21.9	21.9	21.9	22.0	22.0	22.0	22.2	22.2	22.2	22.2	22.2	22.2	22.2
≥ 20000	31.5	32.4	32.9	33.1	33.1	33.1	33.1	33.1	33.1	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 18000	31.6	32.5	33.0	33.1	33.1	33.1	33.2	33.2	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 16000	31.6	32.5	33.0	33.1	33.1	33.1	33.2	33.2	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 14000	32.7	33.7	34.2	34.4	34.4	34.4	34.5	34.5	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 12000	34.1	35.2	35.6	35.9	35.9	35.9	36.0	36.0	36.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 10000	35.8	37.1	37.6	37.7	37.9	37.9	38.0	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 9000	36.9	38.3	38.8	39.1	39.1	39.1	39.2	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 8000	38.8	40.4	40.8	41.1	41.1	41.1	41.2	41.2	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 7000	42.6	44.2	44.6	44.9	45.1	45.1	45.2	45.2	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 6000	43.9	45.6	46.1	46.5	46.7	46.7	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 5000	47.3	49.3	49.7	50.1	50.3	50.3	50.4	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 4500	50.5	52.6	53.1	53.4	53.6	53.6	53.7	53.7	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 4000	55.8	58.1	58.6	59.0	59.2	59.2	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 3500	61.2	64.2	64.6	65.0	65.3	65.3	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 3000	69.3	72.5	73.1	73.6	73.9	73.9	74.0	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500	79.7	83.2	83.8	84.4	84.6	84.6	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 2000	84.8	89.1	89.7	90.5	90.8	90.8	91.1	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800	85.6	89.8	90.5	91.2	91.6	91.6	91.9	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1500	87.7	92.5	93.3	94.2	94.6	94.7	95.0	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	87.8	93.1	94.0	95.0	95.7	95.8	96.1	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	88.1	93.6	94.7	95.7	96.5	96.8	97.0	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	88.1	94.0	95.1	96.3	97.0	97.3	97.6	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	88.2	94.4	95.6	96.9	97.7	98.1	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	88.2	94.4	95.6	97.0	97.9	98.3	98.7	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	88.2	94.4	95.8	97.3	98.1	98.6	99.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	88.2	94.4	95.9	97.4	98.3	98.8	99.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	88.2	94.4	95.9	97.4	98.3	98.8	99.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	88.2	94.4	95.9	97.4	98.3	98.8	99.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	88.2	94.4	95.9	97.4	98.3	98.8	99.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	88.2	94.4	95.9	97.4	98.3	98.8	99.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	88.2	94.4	95.9	97.4	98.3	98.8	99.3	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1020

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FLEET LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,61-70
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1½	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	25.5	26.3	26.7	26.7	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 20000	17.9	19.0	19.5	19.5	19.6	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
≥ 18000	17.9	19.0	19.5	19.5	19.6	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
≥ 16000	17.9	19.0	19.5	19.5	19.6	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
≥ 14000	40.1	41.2	41.7	41.7	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 12000	41.7	42.8	43.3	43.3	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 10000	44.3	45.4	45.9	45.9	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 9000	45.7	46.9	47.4	47.4	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 8000	48.3	49.5	50.0	50.0	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 7000	54.2	55.6	56.1	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 6000	57.1	58.5	58.9	58.9	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 5000	61.2	62.7	63.2	63.2	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 4500	64.1	65.7	66.2	66.2	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000	70.1	71.9	72.4	72.4	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	74.9	76.8	77.4	77.5	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3000	80.9	82.9	83.6	83.7	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2500	85.5	88.1	88.9	89.0	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2000	88.7	91.8	93.0	93.1	93.3	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1800	89.3	92.7	93.9	94.0	94.2	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1500	90.2	94.1	95.4	95.6	95.7	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200	90.5	94.9	96.3	96.7	96.8	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	90.8	95.2	96.7	97.5	97.9	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	90.8	95.3	96.8	97.7	98.1	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	90.8	95.4	96.9	97.8	98.3	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	90.8	95.4	96.9	97.8	98.4	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	90.8	95.5	97.0	98.0	98.7	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	90.8	95.6	97.2	98.1	98.9	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	90.8	95.6	97.2	98.1	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	90.8	95.6	97.2	98.1	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	90.8	95.6	97.2	98.1	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	90.8	95.6	97.2	98.1	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	90.8	95.6	97.2	98.1	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1079

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40.61-70
YEARS

PR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1400-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.9	31.5	31.9	32.1	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
≥ 20000	41.0	42.0	42.7	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 18000	41.5	42.5	43.1	43.3	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 16000	42.2	43.2	43.9	44.1	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 14000	43.2	44.4	45.0	45.2	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 12000	44.6	45.8	46.5	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 10000	47.7	48.9	49.5	49.7	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 9000	49.8	51.2	51.9	52.0	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 8000	53.9	55.0	56.3	56.5	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 7000	59.7	61.9	62.7	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 6000	62.8	64.9	65.8	66.1	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 5000	65.8	69.1	69.1	69.4	69.5	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4500	68.8	71.7	72.6	72.9	73.1	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4000	73.3	76.7	77.7	78.0	78.2	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3500	77.0	80.6	81.7	82.1	82.4	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000	81.5	85.9	86.9	87.4	87.9	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 2500	85.6	90.5	91.6	92.1	92.7	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	87.5	94.2	95.5	96.0	96.7	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800	87.7	94.6	95.9	96.5	97.1	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	87.8	95.3	96.7	97.4	98.1	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	88.1	95.8	97.4	98.1	99.0	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	88.1	95.9	97.5	98.2	99.1	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	88.2	96.0	97.7	98.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	88.3	96.1	97.8	98.5	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	88.3	96.1	97.8	98.5	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	88.3	96.2	97.9	98.6	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	88.3	96.2	98.0	98.7	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	88.3	96.2	98.1	98.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	88.3	96.2	98.1	98.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	88.3	96.2	98.1	98.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	88.3	96.2	98.1	98.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	88.3	96.2	98.1	98.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1000

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,61-70
YEARS

PR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	40.4	41.8	42.8	43.2	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥20000	46.7	48.4	49.5	50.0	50.8	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥18000	46.7	48.4	49.5	50.0	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥16000	46.9	48.6	49.7	50.2	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥14000	47.0	48.9	50.0	50.5	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥12000	47.7	49.8	50.8	51.4	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥10000	50.9	53.3	54.4	54.9	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥9000	52.3	54.7	55.9	56.5	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥8000	55.8	58.8	60.2	60.8	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥7000	59.8	63.2	64.9	65.6	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥6000	61.8	65.6	67.5	68.3	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥5000	65.0	69.0	70.8	71.7	72.5	72.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥4500	67.6	72.2	74.1	74.9	75.8	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥4000	70.3	76.1	78.1	78.9	79.8	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥3500	74.4	80.7	82.7	83.5	84.4	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥3000	77.4	84.6	86.6	87.5	88.3	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥2500	81.7	89.5	91.7	92.5	93.4	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥2000	84.2	93.1	95.5	96.5	97.4	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥1800	84.4	93.3	95.7	96.7	97.6	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥1500	84.5	93.5	96.2	97.2	98.2	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥1200	84.8	94.1	96.7	97.8	98.8	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥1000	85.0	94.3	97.0	98.1	99.0	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥900	85.0	94.4	97.1	98.2	99.1	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥800	85.0	94.4	97.1	98.2	99.1	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥700	85.0	94.4	97.1	98.2	99.1	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥600	85.0	94.4	97.2	98.3	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥500	85.0	94.4	97.2	98.3	99.2	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥400	85.0	94.4	97.2	98.3	99.2	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥300	85.0	94.4	97.2	98.3	99.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	85.0	94.4	97.2	98.3	99.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	85.0	94.4	97.2	98.3	99.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	85.0	94.4	97.2	98.3	99.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1245

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40.61-69
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	46.0	52.8	53.2	53.5	54.0	54.0	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	49.6	56.9	57.3	57.6	58.0	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 18000	49.9	57.0	57.4	57.7	58.1	58.1	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 16000	50.2	57.3	57.7	58.0	58.4	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 14000	50.5	57.6	58.0	58.3	58.7	58.7	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 12000	52.2	59.3	59.7	60.0	60.4	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 10000	53.8	60.9	61.3	61.6	62.0	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 9000	55.2	62.4	62.8	63.1	63.5	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 8000	58.8	66.4	66.8	67.1	67.5	67.5	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	62.0	70.5	70.9	71.2	71.6	71.6	71.7	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 6000	64.1	72.8	73.2	73.5	73.9	73.9	74.0	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000	67.8	77.2	77.8	78.1	78.5	78.5	78.6	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 4500	71.1	80.6	81.2	81.5	81.9	81.9	82.0	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 4000	72.5	83.0	83.7	84.0	84.4	84.4	84.5	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3500	74.5	85.7	86.5	86.8	87.2	87.2	87.3	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 3000	76.0	87.6	88.4	88.7	89.1	89.1	89.2	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2500	77.7	90.2	91.2	91.6	92.1	92.1	92.2	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000	79.5	92.8	94.1	94.5	95.0	95.0	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	79.9	93.2	94.5	94.9	95.4	95.4	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500	80.7	94.2	95.5	95.9	96.5	96.5	96.6	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	81.4	95.0	96.6	97.0	97.5	97.5	97.6	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000	81.9	95.7	97.3	97.7	98.2	98.2	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	81.9	95.9	97.7	98.1	98.7	98.8	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	81.9	96.0	97.9	98.3	99.0	99.1	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	81.9	96.0	97.9	98.3	99.0	99.1	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	81.9	96.0	97.9	98.3	99.0	99.1	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	81.9	96.0	97.9	98.3	99.0	99.1	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	81.9	96.1	98.0	98.4	99.1	99.2	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	81.9	96.1	98.0	98.4	99.1	99.2	99.3	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	81.9	96.1	98.0	98.4	99.1	99.2	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	81.9	96.1	98.0	98.4	99.1	99.2	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	81.9	96.1	98.0	98.4	99.1	99.2	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 926

USAFETAC

FORM
JAN 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24261
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40.61-70
YEARS

DAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.4	39.0	40.2	40.5	41.1	41.3	41.8	42.0	42.1	42.1	42.3	42.3	42.4	42.4	42.6	42.6
≥ 20000	38.6	43.6	45.0	45.3	45.9	46.2	46.6	46.8	46.9	46.9	47.1	47.1	47.3	47.3	47.5	47.5
≥ 18000	38.7	43.7	45.1	45.4	46.0	46.3	46.7	46.9	47.0	47.0	47.2	47.2	47.4	47.4	47.6	47.6
≥ 16000	38.8	43.8	45.2	45.5	46.1	46.4	46.8	47.0	47.1	47.1	47.3	47.3	47.5	47.5	47.7	47.7
≥ 14000	40.2	45.4	46.7	47.0	47.6	47.9	48.4	48.6	48.7	48.7	48.9	48.9	49.1	49.1	49.3	49.3
≥ 12000	41.6	46.8	48.3	48.6	49.2	49.5	50.0	50.1	50.2	50.2	50.4	50.4	50.6	50.6	50.8	50.8
≥ 10000	42.8	48.2	49.7	50.0	50.5	50.8	51.3	51.5	51.6	51.6	51.8	51.8	52.0	52.0	52.2	52.2
≥ 9000	43.8	49.5	50.9	51.2	51.8	52.1	52.6	52.8	52.9	52.9	53.1	53.1	53.3	53.3	53.4	53.4
≥ 8000	48.4	54.4	55.9	56.2	56.8	57.0	57.5	57.7	57.8	57.8	58.0	58.0	58.2	58.2	58.4	58.4
≥ 7000	50.7	57.0	58.5	58.8	59.4	59.7	60.2	60.3	60.4	60.4	60.6	60.6	60.9	60.9	61.1	61.1
≥ 6000	53.0	59.8	61.2	61.5	62.1	62.4	62.9	63.1	63.2	63.2	63.4	63.4	63.7	63.7	63.8	63.8
≥ 5000	57.3	65.1	66.7	67.0	67.5	67.8	68.3	68.5	68.6	68.6	68.8	68.8	69.1	69.1	69.2	69.2
≥ 4500	60.2	68.5	70.1	70.4	70.9	71.2	71.7	71.9	72.0	72.0	72.2	72.2	72.5	72.5	72.7	72.7
≥ 4000	62.8	71.4	73.0	73.3	73.9	74.1	74.6	74.8	74.9	74.9	75.1	75.1	75.4	75.4	75.6	75.6
≥ 3500	66.3	75.0	76.6	77.0	77.6	77.8	78.3	78.5	78.6	78.6	78.8	78.8	79.1	79.1	79.3	79.3
≥ 3000	68.1	77.3	78.9	79.5	80.1	80.5	81.0	81.1	81.2	81.2	81.4	81.4	81.7	81.7	81.9	81.9
≥ 2500	70.9	80.2	81.9	82.6	83.3	83.7	84.2	84.4	84.5	84.5	84.6	84.6	84.9	84.9	85.1	85.1
≥ 2000	73.3	83.5	85.4	86.2	87.1	87.5	87.9	88.1	88.2	88.2	88.4	88.4	88.7	88.7	88.9	88.9
≥ 1800	74.1	84.6	86.6	87.4	88.2	88.6	89.1	89.3	89.4	89.4	89.6	89.6	89.9	89.9	90.1	90.1
≥ 1500	75.6	86.7	88.6	89.4	90.4	90.8	91.3	91.4	91.5	91.5	91.7	91.7	92.0	92.0	92.2	92.2
≥ 1200	77.5	88.9	90.9	91.6	92.6	93.0	93.5	93.7	93.8	93.9	94.1	94.1	94.4	94.4	94.6	94.6
≥ 1000	78.1	89.9	91.9	92.7	93.7	94.1	94.7	94.8	94.9	95.0	95.2	95.2	95.5	95.5	95.7	95.7
≥ 900	78.2	90.4	92.5	93.3	94.3	94.7	95.2	95.4	95.5	95.6	95.8	95.8	96.1	96.1	96.3	96.3
≥ 800	78.4	90.9	93.2	94.0	94.9	95.3	95.9	96.1	96.2	96.4	96.6	96.6	96.9	96.9	97.1	97.1
≥ 700	76.4	90.9	93.2	94.0	94.9	95.3	95.9	96.1	96.2	96.4	96.6	96.6	96.9	96.9	97.1	97.1
≥ 600	78.4	91.3	93.6	94.4	95.3	95.7	96.3	96.5	96.6	96.9	97.0	97.0	97.3	97.3	97.5	97.5
≥ 500	78.4	91.8	94.2	94.9	95.9	96.3	97.0	97.2	97.3	97.5	97.7	97.7	98.0	98.0	98.3	98.3
≥ 400	78.5	92.1	94.5	95.2	96.2	96.6	97.3	97.5	97.6	97.9	98.1	98.1	98.3	98.3	98.6	98.6
≥ 300	78.5	92.2	94.7	95.4	96.4	96.8	97.5	97.7	97.8	98.1	98.3	98.3	98.5	98.5	98.8	98.8
≥ 200	78.5	92.2	94.7	95.4	96.4	96.8	97.5	97.7	97.8	98.1	98.3	98.3	98.5	98.6	99.0	99.0
≥ 100	78.5	92.2	94.7	95.4	96.4	96.8	97.5	97.7	97.9	98.2	98.3	98.3	98.6	98.7	99.2	99.2
≥ 0	78.5	92.2	94.7	95.4	96.4	96.8	97.5	97.7	97.9	98.2	98.3	98.3	98.6	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1029

DATA PROCESSING DIVISION
JSAF DTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40.61-70
YEARS

DAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1½	≥1	≥¾	≥¾	≥¾	≥5/16	≥½	≥0
NO CEILING	29.4	32.3	32.9	33.7	34.2	34.3	34.6	34.7	34.7	34.7	34.7	34.9	35.1	35.1	35.1	35.2
≥ 20000	35.5	38.7	39.6	40.7	41.4	41.6	42.0	42.1	42.1	42.1	42.2	42.4	42.4	42.4	42.5	42.5
≥ 18000	35.5	38.7	39.6	40.7	41.4	41.6	42.0	42.1	42.1	42.1	42.2	42.4	42.4	42.4	42.5	42.5
≥ 16000	35.7	38.8	39.8	40.9	41.6	41.8	42.2	42.2	42.2	42.2	42.4	42.6	42.6	42.6	42.7	42.7
≥ 14000	36.9	40.0	41.0	42.1	42.8	43.0	43.3	43.4	43.4	43.4	43.6	43.8	43.8	43.8	43.9	43.9
≥ 12000	37.5	40.7	41.7	42.8	43.5	43.7	44.0	44.1	44.1	44.1	44.3	44.5	44.5	44.5	44.6	44.6
≥ 10000	39.3	42.5	43.6	44.7	45.4	45.6	45.9	46.0	46.0	46.0	46.2	46.4	46.4	46.4	46.5	46.5
≥ 9000	40.5	44.3	45.4	46.5	47.2	47.4	47.7	47.8	47.8	47.8	48.0	48.2	48.2	48.2	48.3	48.3
≥ 8000	44.9	48.7	49.8	50.9	51.6	51.7	52.1	52.2	52.2	52.2	52.4	52.6	52.6	52.6	52.6	52.6
≥ 7000	47.8	51.8	52.9	54.0	54.7	54.9	55.2	55.3	55.3	55.3	55.5	55.7	55.7	55.7	55.8	55.8
≥ 6000	50.4	54.7	55.8	56.9	57.6	57.8	58.1	58.2	58.2	58.2	58.4	58.6	58.6	58.6	58.7	58.7
≥ 5000	53.8	58.9	60.2	61.3	62.1	62.2	62.6	62.7	62.7	62.7	62.9	63.1	63.1	63.1	63.1	63.1
≥ 4500	56.5	62.0	63.2	64.3	65.2	65.4	65.8	65.9	65.9	65.9	66.1	66.3	66.3	66.3	66.4	66.4
≥ 4000	60.1	65.7	66.9	68.1	69.0	69.1	69.6	69.8	69.8	69.8	70.0	70.1	70.1	70.1	70.2	70.2
≥ 3500	62.4	68.2	69.5	70.7	71.6	71.7	72.2	72.4	72.4	72.4	72.6	72.7	72.7	72.7	72.8	72.8
≥ 3000	65.1	71.2	72.6	73.8	74.7	74.9	75.4	75.6	75.6	75.6	75.8	76.0	76.0	76.0	76.1	76.1
≥ 2500	68.5	75.0	76.6	78.0	78.9	79.2	79.7	79.9	79.9	79.9	80.1	80.3	80.3	80.3	80.4	80.4
≥ 2000	72.1	79.0	80.6	82.1	83.0	83.3	83.9	84.0	84.0	84.0	84.2	84.4	84.4	84.4	84.5	84.5
≥ 1800	72.9	80.1	81.7	83.1	84.2	84.5	85.0	85.2	85.2	85.2	85.4	85.6	85.6	85.6	85.7	85.7
≥ 1500	75.5	83.6	85.3	86.7	87.9	88.2	88.7	88.9	88.9	88.9	89.1	89.2	89.2	89.2	89.3	89.3
≥ 1200	77.5	86.1	88.0	89.4	90.6	90.9	91.5	91.7	91.7	91.7	91.8	92.0	92.0	92.0	92.1	92.1
≥ 1000	78.0	87.0	88.9	90.3	91.5	91.8	92.5	92.6	92.6	92.6	92.8	93.0	93.0	93.0	93.1	93.1
≥ 900	78.2	87.5	89.5	91.0	92.2	92.6	93.3	93.5	93.5	93.5	93.6	93.8	93.8	93.8	93.9	93.9
≥ 800	78.4	88.0	90.1	91.7	92.9	93.3	94.0	94.2	94.2	94.2	94.3	94.5	94.5	94.5	94.6	94.6
≥ 700	78.9	88.6	90.9	92.5	93.7	94.1	94.9	95.2	95.2	95.2	95.3	95.5	95.5	95.5	95.6	95.6
≥ 600	78.9	88.7	91.3	93.0	94.3	94.7	95.5	95.8	95.8	95.8	96.1	96.2	96.2	96.2	96.3	96.3
≥ 500	78.9	88.7	91.4	93.1	94.4	94.8	95.7	96.0	96.0	96.0	96.1	96.2	96.4	96.5	96.5	96.6
≥ 400	78.9	88.8	91.6	93.4	95.0	95.3	96.2	96.5	96.5	96.5	96.7	97.1	97.3	97.4	97.6	97.6
≥ 300	78.9	88.9	91.7	93.5	95.2	95.5	96.6	96.9	96.9	96.9	97.1	97.7	97.8	98.1	98.2	98.5
≥ 200	78.9	88.9	91.7	93.5	95.2	95.5	96.6	96.9	96.9	96.9	97.1	97.8	98.1	98.4	98.6	99.0
≥ 100	78.9	88.9	91.7	93.5	95.2	95.5	96.6	96.9	96.9	96.9	97.1	97.9	98.3	98.6	98.7	99.0
≥ 0	78.9	88.9	91.7	93.5	95.2	95.5	96.6	96.9	96.9	96.9	97.1	97.9	98.3	98.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1115

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,61-70
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.4	≥.3/16	≥.2	≥0
NC CEILING	27.7	30.1	30.4	30.6	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 20000	33.6	36.3	36.6	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 18000	33.6	36.3	36.6	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 16000	34.0	36.6	36.9	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 14000	35.5	38.2	38.4	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 12000	36.7	39.5	39.8	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 10000	38.4	41.3	41.6	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 9000	40.0	42.8	43.1	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 8000	40.8	43.6	43.9	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 7000	42.9	46.1	46.4	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 6000	44.2	47.5	47.8	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 5000	45.9	49.4	49.7	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 4500	48.0	51.8	52.2	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 4000	51.5	55.6	56.1	56.4	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 3500	56.6	61.1	61.6	61.8	62.1	62.1	62.1	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 3000	64.8	69.8	70.3	70.6	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 2500	71.9	77.2	77.8	78.0	78.4	78.4	78.4	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 2000	80.9	87.2	87.9	88.3	88.6	88.6	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1800	82.3	88.8	89.5	89.9	90.2	90.2	90.3	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1500	85.4	92.7	93.4	93.9	94.3	94.3	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1200	86.2	94.2	95.0	95.5	95.9	95.9	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1000	86.5	94.7	95.9	96.6	97.0	97.0	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	86.6	95.1	96.2	97.1	97.5	97.6	97.7	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	86.6	95.4	96.6	97.5	97.8	97.9	98.2	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	86.6	95.8	97.2	98.1	98.5	98.6	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	86.6	95.9	97.3	98.2	98.7	98.7	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	86.6	95.9	97.3	98.2	98.7	98.9	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	86.6	95.9	97.3	98.2	98.8	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	86.6	95.9	97.3	98.2	98.8	99.1	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	86.6	95.9	97.3	98.2	98.8	99.1	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	86.6	95.9	97.3	98.2	98.8	99.1	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	86.6	95.9	97.3	98.2	98.8	99.1	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40.61-70
YEARS

17AY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING	33.9	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 20000	43.3	43.9	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 18000	43.4	44.0	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 16000	43.4	44.0	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 14000	44.5	45.2	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 12000	46.4	47.0	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 10000	48.1	48.7	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 9000	48.7	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 8000	50.4	51.2	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 7000	52.1	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 6000	53.5	54.6	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 5000	56.6	57.8	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 4500	58.7	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 4000	61.6	62.9	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 3500	69.0	70.5	70.7	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 3000	78.8	80.5	80.6	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	85.9	88.1	88.3	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2000	91.7	94.6	94.8	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	92.5	95.6	95.8	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1500	93.5	96.9	97.1	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1200	93.7	97.4	97.8	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	93.9	97.9	98.4	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	93.9	97.9	98.4	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	93.9	97.9	98.4	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	93.9	97.9	98.4	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	93.9	97.9	98.4	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	93.9	97.9	98.4	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	93.9	97.9	98.4	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	93.9	97.9	98.4	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	93.9	97.9	98.4	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	93.9	97.9	98.4	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	93.9	97.9	98.4	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
USAF ETAC
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CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
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39-40,61-70
YEARS

1AY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	38.0	38.0	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 20000	50.7	50.8	50.9	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	51.1	51.2	51.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000	51.8	51.9	52.0	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000	53.0	53.0	53.1	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 12000	54.5	54.7	54.7	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 10000	58.2	58.4	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 9000	58.5	58.7	58.8	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 8000	60.5	60.9	61.0	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 7000	64.0	64.5	64.6	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 6000	67.6	68.2	68.3	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 5000	72.0	72.8	72.9	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 4500	74.3	75.4	75.5	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4000	77.7	79.0	79.3	79.5	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3500	82.3	83.9	84.3	84.5	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3000	90.8	90.9	91.3	91.5	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2500	92.0	94.6	95.3	95.4	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000	93.6	96.3	97.0	97.2	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1800	94.1	96.9	97.5	97.8	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	94.7	97.7	98.3	98.6	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	94.7	97.7	98.3	98.6	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	94.7	97.8	98.6	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	94.7	97.8	98.6	99.0	99.4	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	94.7	97.8	98.6	99.0	99.4	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	94.7	97.8	98.6	99.1	99.5	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	94.7	97.8	98.6	99.1	99.5	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	94.7	97.8	98.6	99.1	99.5	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	94.7	97.8	98.6	99.1	99.5	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.7	97.8	98.6	99.1	99.5	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.7	97.8	98.6	99.1	99.5	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.7	97.8	98.6	99.1	99.5	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.7	97.8	98.6	99.1	99.5	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,61-70
YEARS

1/1
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1400-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1½	≥1	≥1	≥½	≥½	≥½	≥5/16	≥0
NO CEILING	44.4	44.9	44.9	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 20000	56.9	57.4	57.4	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 18000	56.9	57.4	57.4	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 16000	57.1	57.6	57.6	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 14000	58.6	59.1	59.1	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 12000	60.2	60.8	60.8	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	63.0	63.6	63.6	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 9000	64.1	64.7	64.7	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000	67.0	67.7	67.7	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 7000	72.2	72.9	72.9	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 6000	75.5	76.5	76.5	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 5000	80.1	81.1	81.1	81.5	81.8	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500	83.5	84.7	84.7	85.0	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 4000	86.7	88.3	88.4	88.9	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3500	89.7	91.7	91.8	92.4	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3000	91.8	94.4	94.6	95.3	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2500	92.9	95.7	96.1	96.7	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2000	94.4	97.2	97.6	98.2	98.7	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1800	94.4	97.2	97.7	98.3	98.8	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	94.6	97.5	98.0	98.7	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	94.7	97.7	98.2	98.9	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	94.7	97.7	98.2	98.9	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	94.7	97.7	98.2	99.0	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	94.7	97.7	98.2	99.0	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	94.7	97.7	98.2	99.0	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	94.7	97.7	98.2	99.0	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	94.7	97.7	98.2	99.0	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	94.7	97.7	98.2	99.0	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.7	97.7	98.2	99.0	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.7	97.7	98.2	99.0	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.7	97.7	98.2	99.0	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.7	97.7	98.2	99.0	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,61-70
YEAR

DAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	53.0	54.4	54.0	54.8	55.3	55.5	55.0	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 20000	60.0	61.4	61.6	61.8	62.3	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 18000	60.1	61.5	61.7	61.9	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 16000	60.1	61.5	61.7	61.9	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 14000	61.3	62.8	63.0	63.2	63.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 12000	62.6	64.2	64.4	64.6	65.0	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000	64.7	66.6	66.8	67.0	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 9000	65.0	67.6	67.8	68.0	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 8000	69.7	71.8	72.0	72.2	72.6	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000	74.2	76.4	76.8	77.0	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 6000	77.7	79.9	80.3	80.5	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	82.2	84.6	85.0	85.2	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4500	84.8	87.4	87.8	88.0	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 4000	86.5	89.6	90.1	90.3	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3500	88.4	91.8	92.5	92.7	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 3000	89.4	93.6	94.4	94.6	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2500	90.0	94.8	95.7	96.0	96.6	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 2000	91.9	96.4	97.3	97.6	98.1	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1800	92.0	96.5	97.4	97.7	98.2	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	92.4	96.9	97.8	98.1	98.7	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	92.5	97.1	98.0	98.3	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	92.5	97.1	98.1	98.4	99.1	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	92.5	97.1	98.1	98.7	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	92.5	97.1	98.1	98.7	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	92.5	97.1	98.1	98.7	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	92.5	97.1	98.1	98.7	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	92.5	97.1	98.1	98.7	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	92.5	97.1	98.1	98.7	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	92.5	97.1	98.1	98.7	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	92.5	97.1	98.1	98.7	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	92.5	97.1	98.1	98.7	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	92.5	97.1	98.1	98.7	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1027

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEES, NEW YORK, 10000

39-40,60-68

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.10	≥0
NO CEILING	3.0	27.5	57.8	58.4	36.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000	55.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 18000	5.9	60.5	60.9	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 16000	55.9	60.5	60.8	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 14000	60.0	60.7	61.0	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 12000	61.3	61.3	62.4	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 10000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 8000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 7000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 6000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 5000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 4500	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 4000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 3500	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 3000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 2500	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 2000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 1800	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 1600	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 1400	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 1200	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 1000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 900	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 800	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 700	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 600	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 500	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 400	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 300	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 200	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 100	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 0	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9

TOTAL NUMBER OF OBSERVATIONS 949

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,60-70
YEARS

1111
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0100-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.5/16	≥.4	≥0
NO CEILING	34.4	39.3	40.9	41.2	41.6	41.7	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.2	42.2
≥ 20000	38.3	43.5	45.1	45.5	45.9	46.0	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.5	46.5
≥ 18000	36.3	43.5	45.1	45.5	45.9	46.0	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.5	46.5
≥ 16000	38.9	44.3	45.9	46.3	46.7	46.8	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.2	47.2
≥ 14000	39.5	45.0	46.6	47.0	47.3	47.4	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.9	47.9
≥ 12000	40.9	46.4	48.0	48.4	48.8	48.9	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.4
≥ 10000	42.0	48.4	50.0	50.4	50.8	50.9	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.4
≥ 9000	43.4	49.7	50.9	51.2	51.6	51.7	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.3
≥ 8000	45.7	51.8	53.4	53.8	54.2	54.3	54.9	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.9
≥ 7000	48.5	54.8	56.5	56.9	57.2	57.3	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.9
≥ 6000	52.0	58.6	60.3	60.7	61.0	61.1	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.7
≥ 5000	57.3	65.1	67.0	67.5	67.9	68.0	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.6
≥ 4500	59.3	67.1	69.0	69.5	69.9	70.0	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.6
≥ 4000	61.9	69.9	71.8	72.4	72.8	72.9	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.4
≥ 3500	66.2	74.3	76.2	76.8	77.1	77.2	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.8
≥ 3000	69.4	77.7	79.6	80.2	80.6	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.2
≥ 2500	71.4	80.2	82.1	82.7	83.0	83.1	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.8
≥ 2000	74.5	84.0	86.0	86.6	87.1	87.2	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.9	88.0
≥ 1800	75.3	85.0	87.0	87.6	88.2	88.3	88.6	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.1
≥ 1500	76.3	86.2	88.3	88.9	89.5	89.6	89.9	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.4	90.5
≥ 1200	77.4	87.8	90.1	90.7	91.4	91.5	91.8	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.4	92.5
≥ 1000	78.2	88.8	91.0	91.6	92.7	92.8	93.0	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.6	93.7
≥ 900	78.5	89.2	91.8	92.5	93.5	93.6	93.9	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.5	94.6
≥ 800	79.0	90.0	92.7	93.4	94.6	94.7	95.0	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.5	95.6
≥ 700	79.1	90.4	93.0	93.8	95.1	95.2	95.5	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.2	96.3
≥ 600	79.6	91.3	94.0	94.8	96.1	96.2	96.5	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.1	97.2
≥ 500	80.0	91.8	94.6	95.4	96.9	97.0	97.4	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.1	98.2
≥ 400	80.0	91.9	94.7	95.8	97.4	97.6	98.2	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.1
≥ 300	80.0	91.9	94.7	95.8	97.5	97.7	98.3	98.6	98.8	99.0	99.1	99.1	99.1	99.1	99.2	99.3
≥ 200	80.0	91.9	94.7	95.8	97.5	97.8	98.4	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.4	99.5
≥ 100	80.0	91.9	94.7	95.8	97.5	97.8	98.5	98.9	99.0	99.3	99.4	99.5	99.6	99.6	99.7	99.8
≥ 0	80.0	91.9	94.7	95.8	97.5	97.8	98.5	98.9	99.0	99.3	99.4	99.5	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1020

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,60-70
YEARS

YEARS

JULY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	28.0	32.4	33.4	33.9	34.6	34.6	34.8	34.8	34.8	34.9	34.9	34.9	34.9	35.0	35.0	35.2
≥ 20000	32.6	36.8	37.8	38.3	39.0	39.0	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.3	39.4	39.6
≥ 18000	32.7	37.0	38.0	38.5	39.2	39.2	39.4	39.4	39.4	39.5	39.5	39.5	39.5	39.6	39.7	39.8
≥ 16000	33.2	37.5	38.5	39.1	39.7	39.7	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.1	40.2	40.3
≥ 14000	34.2	38.5	39.6	40.1	40.8	40.8	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.1	41.2	41.4
≥ 12000	36.0	40.3	41.4	41.9	42.6	42.6	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.9	43.0	43.2
≥ 10000	37.1	41.5	42.5	43.0	43.8	43.8	43.9	43.9	43.9	44.0	44.0	44.0	44.0	44.1	44.2	44.4
≥ 9000	38.4	42.8	43.8	44.4	45.1	45.1	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.5	45.6	45.7
≥ 8000	40.0	44.4	45.5	46.0	46.8	46.8	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.1	47.2	47.4
≥ 7000	43.2	47.7	48.7	49.2	50.0	50.0	50.2	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.4	50.6
≥ 6000	45.9	50.3	51.4	51.9	52.6	52.6	52.8	52.8	52.8	52.9	52.9	52.9	52.9	53.0	53.1	53.2
≥ 5000	49.2	54.2	55.3	55.8	56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.9	57.0	57.2
≥ 4500	50.6	55.6	56.7	57.2	57.9	57.9	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.3	58.4	58.5
≥ 4000	53.9	59.1	60.3	60.8	61.5	61.5	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.9	62.0	62.1
≥ 3500	57.3	62.8	63.9	64.4	65.2	65.2	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.8
≥ 3000	61.3	67.4	68.6	69.1	69.9	69.9	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.3	70.3	70.5
≥ 2500	64.3	70.8	72.4	73.0	73.8	73.8	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.2	74.3	74.4
≥ 2000	69.0	75.9	77.8	78.5	79.4	79.5	79.7	79.8	79.8	79.9	79.9	79.9	79.9	80.0	80.1	80.3
≥ 1800	70.1	77.0	79.0	79.7	80.6	80.7	80.9	81.0	81.0	81.2	81.2	81.2	81.2	81.3	81.4	81.5
≥ 1500	71.9	78.8	80.9	81.7	82.6	82.6	82.9	83.0	83.0	83.2	83.2	83.2	83.2	83.3	83.3	83.5
≥ 1200	74.7	82.6	84.9	85.7	86.7	86.8	87.0	87.1	87.1	87.3	87.3	87.3	87.3	87.4	87.4	87.6
≥ 1000	75.7	83.8	86.2	87.0	88.0	88.1	88.4	88.5	88.5	88.7	88.7	88.7	88.7	88.8	88.9	89.1
≥ 900	76.7	85.2	87.6	88.6	89.7	89.8	90.2	90.3	90.3	90.5	90.5	90.5	90.5	90.6	90.7	90.9
≥ 800	77.4	86.8	89.2	90.3	91.5	91.5	91.9	92.1	92.1	92.3	92.3	92.3	92.3	92.4	92.5	92.7
≥ 700	77.9	87.9	90.5	91.8	93.1	93.2	93.5	93.9	93.9	94.1	94.1	94.1	94.1	94.2	94.3	94.5
≥ 600	77.9	88.1	90.9	92.6	93.9	94.1	94.4	94.9	94.9	95.0	95.0	95.0	95.0	95.1	95.2	95.5
≥ 500	78.1	88.7	91.6	93.5	95.0	95.3	96.1	96.7	96.7	96.8	96.8	96.8	96.8	96.9	97.0	97.3
≥ 400	78.1	88.7	91.8	94.1	95.6	96.1	97.0	97.9	98.1	98.3	98.3	98.3	98.3	98.4	98.5	98.7
≥ 300	78.1	88.7	91.8	94.1	95.6	96.1	97.2	98.2	98.6	98.9	98.9	98.9	98.9	99.0	99.1	99.3
≥ 200	78.1	88.7	91.8	94.1	95.6	96.1	97.2	98.2	98.6	98.9	98.9	98.9	98.9	99.0	99.1	99.5
≥ 100	78.1	88.7	91.8	94.1	95.6	96.1	97.2	98.2	98.6	98.9	98.9	98.9	98.9	99.0	99.1	99.9
≥ 0	78.1	88.7	91.8	94.1	95.6	96.1	97.2	98.2	98.6	98.9	98.9	98.9	98.9	99.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,60-70
YEARS

1114
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	32.7	34.9	35.3	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 20000	36.9	39.4	39.8	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 18000	37.0	39.7	40.2	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 16000	37.1	39.7	40.3	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 14000	37.6	40.3	40.8	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 12000	39.4	42.1	42.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 10000	40.7	43.5	44.0	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 9000	41.8	44.6	45.3	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 8000	42.8	45.8	46.3	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 7000	45.0	48.0	48.5	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 6000	45.9	49.0	49.5	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 5000	48.5	51.5	52.1	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 4500	49.3	52.4	53.0	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 4000	53.2	56.4	57.3	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 3500	56.2	59.5	60.3	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 3000	61.5	64.8	65.6	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 2500	70.3	74.1	75.0	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 2000	78.1	82.7	83.6	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1800	80.7	85.3	86.2	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1500	83.4	88.5	89.6	90.2	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1200	85.9	91.6	92.8	93.6	93.8	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	86.6	93.0	94.5	95.5	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 900	86.8	93.6	95.4	96.4	96.8	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	87.0	93.9	96.0	97.2	97.7	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	87.0	94.1	96.3	97.7	98.3	98.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	87.0	94.2	96.4	98.0	98.9	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	87.0	94.3	96.6	98.2	99.1	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	87.0	94.3	96.6	98.2	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	87.0	94.3	96.6	98.2	99.2	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	87.0	94.3	96.6	98.2	99.2	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	87.0	94.3	96.6	98.2	99.2	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	87.0	94.3	96.6	98.2	99.2	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAI
STATION NAME

39-40,60-70
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥½
NO CEILING	39.7	41.5	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 20000	45.5	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 18000	45.5	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 16000	45.5	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 14000	46.5	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 12000	49.1	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 10000	50.6	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 9000	51.4	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 8000	53.1	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 7000	55.0	56.1	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 6000	56.7	57.7	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 5000	58.7	60.1	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 4500	61.3	62.8	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4000	65.6	67.1	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 3500	72.0	73.7	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3000	79.1	81.5	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2500	85.4	88.4	89.0	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2000	90.7	94.1	94.8	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800	91.5	95.0	95.6	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	92.1	95.8	96.7	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	92.3	96.6	97.4	97.6	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	92.5	97.2	98.0	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	92.6	97.4	98.3	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	92.6	97.6	98.5	98.7	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	92.6	97.6	98.5	98.8	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	92.6	97.6	98.5	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	92.6	97.6	98.5	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	92.6	97.6	98.5	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	92.6	97.6	98.5	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	92.6	97.6	98.5	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	92.6	97.6	98.5	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	92.6	97.6	98.5	98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,60-70
YEARS

JULY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 20000	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 18000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 16000	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 14000	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 12000	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 9000	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 8000	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 7000	63.1	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 6000	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 5000	67.9	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4500	71.1	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 4000	75.5	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	80.9	82.1	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4
≥ 3000	87.4	89.0	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4
≥ 2500	90.6	92.4	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.8
≥ 2000	92.9	95.0	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	93.2	95.3	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9
≥ 1500	93.8	96.2	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9
≥ 1200	94.1	97.1	97.6	97.7	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1
≥ 1000	94.3	97.5	98.0	98.2	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 900	94.4	97.7	98.2	98.4	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥ 800	94.4	97.9	98.5	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
≥ 700	94.4	98.0	98.6	98.9	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 600	94.4	98.0	98.6	98.9	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 500	94.4	98.0	98.6	99.0	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 400	94.4	98.0	98.6	99.0	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 300	94.4	98.0	98.6	99.0	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 200	94.4	98.0	98.6	99.0	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 100	94.4	98.0	98.6	99.0	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 0	94.4	98.0	98.6	99.0	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1170

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FLEET LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40, 60-70
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1½	≥1	≥¾	≥¾	≥¾	≥5/16	≥½	≥0
NO CEILING	49.1	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 20000	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 16000	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 14000	58.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 12000	60.2	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	62.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 9000	63.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	65.8	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 7000	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	73.2	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 5000	77.8	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4500	81.3	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 4000	83.5	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3500	86.4	87.8	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 3000	90.3	92.2	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2500	92.8	95.4	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 2000	94.2	97.0	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1800	94.2	97.0	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500	94.3	97.1	97.4	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1200	94.4	97.5	98.0	98.5	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	94.5	97.7	98.2	98.6	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	94.7	97.9	98.4	98.9	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	94.8	98.0	98.5	99.2	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	94.8	98.0	98.6	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	94.8	98.0	98.6	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	94.8	98.0	98.6	99.5	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	94.8	98.0	98.6	99.5	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.8	98.0	98.6	99.5	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.8	98.0	98.6	99.5	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.8	98.0	98.6	99.5	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.8	98.0	98.6	99.5	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 1170

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40.60-70
YEARS

JULY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING	56.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 20000	63.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 18000	63.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 16000	63.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 14000	64.0	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 12000	64.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 10000	66.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000	67.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 8000	70.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 7000	73.2	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 6000	75.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 5000	78.6	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4500	80.6	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 4000	82.2	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 3500	84.8	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000	86.4	90.1	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500	89.0	93.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	91.5	95.6	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1800	91.6	95.8	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1500	92.0	96.3	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	92.6	97.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000	92.9	98.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	93.0	98.1	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	93.1	98.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	93.1	98.3	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	93.1	98.3	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	93.1	98.3	99.4	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	93.1	98.3	99.4	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	93.1	98.3	99.4	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.1	98.3	99.4	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.1	98.3	99.4	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	93.1	98.3	99.4	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,60-68
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	69.6	69.2	69.2	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 20000	66.8	72.0	72.0	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 18000	66.8	72.0	72.0	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 16000	66.8	72.0	72.0	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 14000	67.3	72.5	72.5	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 12000	67.5	72.7	72.7	72.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 10000	69.7	74.9	74.9	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000	70.4	75.6	75.6	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 8000	72.3	77.5	77.5	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 7000	74.0	79.2	79.2	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 6000	75.9	81.1	81.1	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 5000	78.2	83.9	83.9	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4500	80.4	86.1	86.1	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4000	81.7	87.4	87.4	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3500	83.6	89.7	89.7	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000	85.8	92.1	92.2	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2500	87.1	93.7	93.9	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 2000	88.1	95.3	95.5	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	88.4	95.8	96.1	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	89.0	96.4	96.7	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1200	89.8	97.4	97.8	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	90.0	97.6	98.0	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	90.0	97.7	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	90.0	97.8	98.2	98.5	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	90.0	98.2	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	90.2	98.5	98.9	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	90.2	98.6	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	90.2	98.6	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	90.2	98.6	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	90.2	98.6	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	90.2	98.6	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	90.2	98.6	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 296

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

24201
STATION

FHFT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,60-70
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	44.6	49.8	50.8	50.8	51.4	51.4	51.5	51.5	51.5	51.5	51.6	51.6	51.8	51.8	51.8	51.8
≥ 20000	47.5	53.0	54.0	54.0	54.6	54.6	54.7	54.7	54.7	54.8	54.9	54.9	55.1	55.1	55.1	55.1
≥ 18000	47.5	53.0	54.0	54.0	54.6	54.6	54.7	54.7	54.7	54.8	54.9	54.9	55.1	55.1	55.1	55.1
≥ 16000	47.8	53.3	54.3	54.3	54.9	54.9	55.0	55.0	55.0	55.1	55.2	55.2	55.4	55.4	55.4	55.4
≥ 14000	48.8	54.3	55.2	55.3	56.0	56.0	56.0	56.0	56.0	56.1	56.2	56.2	56.4	56.4	56.4	56.4
≥ 12000	49.1	54.6	55.6	55.7	56.3	56.3	56.4	56.4	56.4	56.5	56.6	56.6	56.8	56.8	56.8	56.8
≥ 10000	50.6	56.1	57.1	57.2	57.8	57.8	57.9	57.9	57.9	58.0	58.1	58.1	58.3	58.3	58.3	58.3
≥ 9000	51.0	56.6	57.6	57.7	58.3	58.3	58.4	58.4	58.4	58.5	58.6	58.6	58.8	58.8	58.8	58.8
≥ 8000	53.7	59.3	60.2	60.3	61.1	61.1	61.2	61.2	61.2	61.2	61.3	61.3	61.5	61.5	61.5	61.5
≥ 7000	54.5	60.1	61.1	61.2	61.9	61.9	62.0	62.0	62.0	62.1	62.2	62.2	62.4	62.4	62.4	62.4
≥ 6000	56.6	62.2	63.1	63.2	64.0	64.0	64.1	64.1	64.1	64.2	64.3	64.3	64.6	64.6	64.6	64.6
≥ 5000	59.8	65.9	66.8	66.9	67.7	67.7	67.8	67.8	67.8	67.9	68.0	68.0	68.2	68.2	68.2	68.2
≥ 4500	61.9	68.0	68.9	69.0	69.8	69.8	69.8	69.8	69.8	69.9	70.0	70.0	70.3	70.3	70.3	70.3
≥ 4000	64.1	70.2	71.2	71.3	72.0	72.0	72.1	72.1	72.1	72.2	72.3	72.3	72.6	72.6	72.6	72.6
≥ 3500	67.2	73.7	74.7	74.9	75.7	75.7	75.8	75.8	75.8	75.9	76.0	76.0	76.3	76.3	76.3	76.3
≥ 3000	71.0	77.6	78.5	78.7	79.7	79.7	79.8	79.8	79.8	79.9	80.0	80.0	80.2	80.2	80.2	80.2
≥ 2500	73.3	80.0	81.1	81.3	82.2	82.2	82.3	82.3	82.3	82.4	82.5	82.5	82.8	82.8	82.8	82.8
≥ 2000	76.1	82.9	84.0	84.2	85.3	85.3	85.3	85.3	85.3	85.4	85.5	85.5	85.8	85.8	85.8	85.8
≥ 1800	76.9	83.7	84.9	85.1	86.1	86.1	86.2	86.2	86.2	86.3	86.4	86.4	86.7	86.7	86.7	86.7
≥ 1500	79.1	86.0	87.2	87.4	88.5	88.5	88.6	88.6	88.6	88.8	88.8	88.8	89.1	89.1	89.1	89.1
≥ 1200	81.1	88.3	89.5	89.7	90.7	90.7	90.9	90.9	90.9	91.1	91.2	91.2	91.5	91.5	91.5	91.5
≥ 1000	81.8	89.0	90.5	90.6	91.7	91.7	91.9	92.0	92.0	92.2	92.3	92.3	92.6	92.6	92.6	92.6
≥ 900	82.1	89.7	91.1	91.3	92.3	92.3	92.5	92.6	92.6	92.8	93.0	93.0	93.3	93.3	93.3	93.3
≥ 800	82.4	90.5	92.0	92.2	93.3	93.3	93.5	93.6	93.6	93.8	94.0	94.0	94.2	94.2	94.2	94.2
≥ 700	82.6	90.8	92.3	92.8	94.0	94.0	94.1	94.2	94.2	94.5	94.7	94.7	95.0	95.0	95.0	95.0
≥ 600	83.3	92.1	93.6	94.0	95.4	95.4	95.6	95.7	95.7	95.9	96.1	96.1	96.4	96.4	96.4	96.4
≥ 500	83.3	92.2	93.9	94.4	95.7	95.8	96.1	96.2	96.3	96.6	96.8	96.8	97.1	97.1	97.1	97.1
≥ 400	83.3	92.6	94.6	95.5	96.8	96.9	97.2	97.4	97.5	97.8	98.0	98.0	98.3	98.3	98.3	98.3
≥ 300	83.3	92.6	94.6	95.5	96.9	97.2	97.5	97.8	98.0	98.3	98.5	98.5	98.8	98.8	98.9	98.9
≥ 200	83.3	92.6	94.7	95.6	97.0	97.4	97.7	98.0	98.2	98.8	99.1	99.1	99.4	99.4	99.5	99.5
≥ 100	83.3	92.6	94.7	95.6	97.0	97.4	97.8	98.2	98.4	99.0	99.2	99.2	99.6	99.6	99.6	99.9
≥ 0	83.3	92.6	94.7	95.6	97.0	97.4	97.8	98.2	98.4	99.0	99.2	99.2	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1028

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40260-70
YEARS

111
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥½
NO CEILING	38.2	40.9	42.0	42.3	42.6	42.6	42.6	42.6	42.7	42.7	42.9	42.9	42.9	42.9	42.9	42.9
≥29000	41.4	44.7	46.0	46.4	46.6	46.6	46.7	46.7	46.8	46.8	47.0	47.0	47.0	47.0	47.0	47.0
≥18000	41.6	44.9	46.3	46.6	46.9	46.9	47.0	47.0	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2
≥16000	41.7	45.0	46.4	46.7	47.0	47.0	47.0	47.0	47.1	47.1	47.3	47.3	47.3	47.3	47.3	47.3
≥14000	42.0	45.4	46.8	47.1	47.4	47.4	47.5	47.5	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7
≥12000	42.8	46.3	47.6	48.0	48.2	48.2	48.3	48.3	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6
≥10000	44.2	47.7	49.1	49.4	49.7	49.7	49.7	49.7	49.8	49.8	50.0	50.0	50.0	50.0	50.0	50.0
≥9000	44.8	48.4	49.7	50.1	50.3	50.3	50.4	50.4	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.7
≥8000	46.6	50.3	51.6	51.9	52.2	52.2	52.3	52.3	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5
≥7000	47.7	51.5	52.9	53.2	53.5	53.5	53.6	53.6	53.6	53.6	53.8	53.8	53.8	53.8	53.8	53.8
≥6000	49.6	53.7	55.1	55.4	55.7	55.7	55.8	55.8	55.8	55.8	56.0	56.0	56.0	56.0	56.0	56.0
≥5000	51.9	56.3	57.6	58.0	58.2	58.2	58.3	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5
≥4500	53.7	58.1	59.5	59.8	60.1	60.1	60.2	60.2	60.2	60.2	60.4	60.4	60.4	60.4	60.4	60.4
≥4000	56.7	61.3	62.8	63.2	63.5	63.5	63.5	63.5	63.6	63.6	63.8	63.8	63.8	63.8	63.8	63.8
≥3500	58.3	63.2	64.7	65.3	65.6	65.6	65.7	65.7	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9
≥3000	60.8	65.9	67.4	68.0	68.4	68.4	68.4	68.4	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.7
≥2500	64.0	69.1	70.6	71.2	71.6	71.6	71.7	71.7	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9
≥2000	66.5	71.8	73.4	74.1	74.5	74.5	74.6	74.6	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9
≥1800	67.5	72.9	74.5	75.2	75.5	75.6	75.7	75.7	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0
≥1500	70.3	76.2	77.9	78.6	78.9	79.0	79.3	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5
≥1200	74.5	80.7	82.5	83.3	83.7	83.8	84.1	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4
≥1000	76.1	82.8	84.7	85.7	86.1	86.4	86.8	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1
≥900	77.2	84.3	86.4	87.5	88.0	88.2	88.7	88.7	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0
≥800	77.6	84.9	87.1	88.3	89.0	89.3	89.7	89.8	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0
≥700	78.3	85.5	88.1	89.4	90.2	90.4	90.9	91.0	91.1	91.2	91.4	91.5	91.5	91.5	91.5	91.5
≥600	78.8	86.1	88.8	90.4	91.1	91.5	92.4	92.5	92.6	92.7	92.9	93.0	93.0	93.0	93.0	93.0
≥500	78.8	86.7	89.5	91.2	92.1	92.6	93.9	94.2	94.3	94.5	94.7	94.8	94.8	94.8	94.8	94.8
≥400	78.8	86.8	89.7	91.4	92.4	93.0	94.5	95.0	95.3	95.4	95.8	95.9	95.9	95.9	95.9	95.9
≥300	78.8	86.8	89.7	91.5	92.5	93.2	94.8	95.5	95.9	96.8	97.7	97.9	98.1	98.1	98.4	98.4
≥200	78.8	86.8	89.7	91.5	92.5	93.2	94.8	95.5	95.9	97.0	98.0	98.2	98.6	98.6	99.1	99.2
≥100	78.8	86.8	89.7	91.5	92.5	93.2	94.8	95.5	95.9	97.1	98.1	98.4	98.7	98.8	99.4	99.9
≥0	78.8	86.8	89.7	91.5	92.5	93.2	94.8	95.5	95.9	97.1	98.1	98.4	98.7	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 112

DATA PROCESSING DIVISION
USAF ETAC
AIR EATER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201 STATION FORT LEWIS WASHINGTON/GRAY AFB 39-40.60-70

YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

09/ -1100
P. JURS (EST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	43.3	46.4	47.1	47.3	47.5	47.5	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	48.5	52.5	53.2	53.5	53.7	53.7	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 18000	48.6	52.6	53.3	53.6	53.8	53.8	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 16000	48.7	52.8	53.5	53.7	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 14000	49.1	53.1	53.8	54.1	54.3	54.3	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 12000	50.3	54.4	55.1	55.3	55.6	55.6	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 10000	51.2	55.3	56.0	56.3	56.5	56.5	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 9000	51.8	55.9	56.6	56.9	57.1	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000	52.8	57.0	57.7	58.0	58.2	58.2	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 7000	54.4	58.7	59.4	59.6	59.9	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 6000	55.0	59.5	60.2	60.5	60.7	60.7	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 5000	56.9	61.5	62.3	62.5	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 4500	57.5	62.1	62.9	63.1	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 4000	60.2	65.0	65.7	66.0	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 3500	62.9	67.9	68.6	69.0	69.2	69.2	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 3000	67.0	72.2	72.9	73.3	73.6	73.6	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 2500	72.9	78.1	78.8	79.2	79.5	79.5	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2000	78.0	83.8	84.8	85.1	85.6	85.6	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1800	80.5	86.3	87.2	87.6	88.1	88.1	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1500	84.2	90.3	91.2	91.5	92.0	92.0	92.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1200	86.3	93.1	94.2	94.8	95.3	95.3	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	87.2	94.8	95.9	96.4	97.0	97.0	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	87.4	95.2	96.4	97.0	97.6	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	87.5	95.3	96.5	97.2	97.9	98.1	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	87.5	95.4	96.7	97.5	98.3	98.6	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	87.5	95.4	96.9	97.9	98.6	99.0	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	87.5	95.4	96.9	97.9	98.6	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	87.5	95.4	96.9	97.9	98.6	99.0	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	87.5	95.4	96.9	97.9	98.6	99.0	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	87.5	95.4	96.9	97.9	98.6	99.0	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	87.5	95.4	96.9	97.9	98.6	99.0	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	87.5	95.4	96.9	97.9	98.6	99.0	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1142

DATA PROCESSING DIVISION
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-42.0-70
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING	54.7	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000	60.8	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 18000	60.8	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 16000	61.0	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 14000	61.6	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 12000	62.7	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 10000	64.1	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 9000	65.1	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 8000	66.2	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 7000	68.2	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 6000	68.5	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 5000	70.6	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4500	72.0	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4000	74.2	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 3500	78.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000	85.5	87.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2500	90.9	93.1	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2000	93.1	95.7	96.4	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	93.9	96.4	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	94.8	97.6	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	94.8	98.2	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	94.8	98.3	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	94.8	98.5	99.3	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	94.8	98.6	99.5	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	94.8	98.6	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	94.8	98.6	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	94.8	98.6	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	94.8	98.6	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.8	98.6	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.8	98.6	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.8	98.6	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.8	98.6	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1132

USAFETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40.00-70
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .5	≥ .5	≥ 5/16	≥ .5	≥ 0
NO CEILING	62.4	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 20000	68.4	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 18000	68.5	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 16000	68.6	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 14000	69.4	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 12000	70.3	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 10000	72.2	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 9000	73.5	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 8000	74.7	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	76.6	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 6000	78.4	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 5000	80.9	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 4500	82.5	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4000	85.0	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3500	89.0	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3000	92.9	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2500	95.1	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 2000	96.2	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1800	96.4	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500	96.6	98.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	96.8	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	96.8	98.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	96.9	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	96.9	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	96.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	96.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	96.9	98.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.9	98.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.9	98.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.9	98.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.9	98.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.9	98.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1170

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,60-70
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1400-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	66.0	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 20000	71.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 18000	71.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 16000	71.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 14000	72.9	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 12000	74.5	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 10000	75.7	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 9000	76.9	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 8000	79.5	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 7000	81.4	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 6000	83.5	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 5000	86.9	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4500	88.2	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 4000	90.2	91.9	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 3500	92.5	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 3000	94.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2500	95.8	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000	96.2	98.3	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800	96.4	98.5	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	96.4	98.6	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	96.4	98.7	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	96.5	98.8	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	96.5	98.8	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	96.5	98.8	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	96.5	99.0	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.5	99.0	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.5	99.0	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.5	99.0	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.5	99.0	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.5	99.0	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.5	99.0	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.5	99.0	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1172

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

242.1
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,60-70
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	70.6	71.5	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 20000	76.5	75.8	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 18000	74.5	75.8	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 16000	74.7	76.0	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 14000	75.7	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 12000	76.6	77.9	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 10000	77.2	78.5	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 9000	77.6	79.0	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 8000	79.8	81.3	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 7000	81.7	83.3	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 6000	83.1	84.7	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 5000	86.2	88.1	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 4500	87.9	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 4000	90.8	92.8	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 3500	92.0	94.0	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 3000	93.3	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2500	94.1	96.3	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	95.5	97.9	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800	95.6	98.2	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	95.9	98.6	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	96.4	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	96.5	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	96.5	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	96.5	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	96.5	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	96.5	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.5	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.5	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.5	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.5	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.5	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.5	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1055

DATA PROCESSING DIVISION
JSAI ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,40-68
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING	49.9	59.6	62.3	62.8	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥20000	52.4	62.6	65.3	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4
≥18000	52.4	62.6	65.3	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4
≥16000	52.4	62.6	65.3	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4
≥14000	53.1	63.5	66.2	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4
≥12000	54.2	64.8	67.5	68.0	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.7	68.7	68.7
≥10000	54.9	65.7	68.4	68.9	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.6
≥9000	55.4	66.8	69.5	69.9	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.6
≥8000	57.3	68.6	71.5	71.9	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6
≥7000	58.2	70.4	73.2	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4
≥6000	60.2	72.4	75.2	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4
≥5000	61.9	74.3	77.2	77.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4	78.4	78.4
≥4500	62.8	75.6	78.6	79.1	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.8	79.8	79.8
≥4000	64.4	77.5	80.8	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0
≥3500	67.6	81.5	84.9	85.4	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1
≥3000	69.7	84.0	87.4	87.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.5
≥2500	71.5	86.3	89.8	90.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0
≥2000	73.9	89.0	92.5	93.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.9	93.9	93.9
≥1800	74.6	90.1	93.7	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.2	95.2	95.2
≥1500	75.6	91.2	94.9	95.3	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.4	96.4	96.4
≥1200	76.7	92.6	96.4	96.8	97.4	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9
≥1000	77.2	93.1	96.8	97.3	97.9	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.4	98.4	98.4
≥900	77.5	93.6	97.3	97.8	98.4	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥800	77.9	94.0	97.8	98.2	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
≥700	78.1	94.5	98.2	98.7	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8
≥600	78.2	94.5	98.2	98.7	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8
≥500	78.2	94.5	98.2	98.7	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8
≥400	78.2	94.5	98.2	98.7	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8
≥300	78.2	94.7	98.5	98.9	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥200	78.2	94.7	98.5	98.9	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥100	78.2	94.7	98.5	98.9	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥0	78.2	94.7	98.5	98.9	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 655

USAFETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0400-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	34.5	40.6	44.2	45.7	40.9	47.0	47.7	47.9	48.0	48.0	48.1	48.1	48.2	48.2	48.4	48.4
≥ 20000	36.1	43.1	46.7	48.1	49.3	49.4	50.2	50.4	50.5	50.5	50.6	50.6	50.7	50.7	50.8	50.8
≥ 18000	36.1	43.1	46.7	48.1	49.3	49.4	50.2	50.4	50.5	50.5	50.6	50.6	50.7	50.7	50.8	50.8
≥ 16000	36.2	43.3	46.8	48.2	49.4	49.5	50.3	50.5	50.6	50.6	50.7	50.7	50.8	50.8	50.9	50.9
≥ 14000	40.6	43.7	47.2	48.7	49.8	49.9	50.7	50.9	51.0	51.0	51.1	51.1	51.2	51.2	51.3	51.3
≥ 12000	38.3	45.6	49.1	50.6	51.8	51.9	52.6	52.8	52.9	52.9	53.0	53.1	53.1	53.1	53.2	53.2
≥ 10000	39.5	47.3	50.8	52.3	53.5	53.6	54.3	54.5	54.6	54.6	54.7	54.7	54.8	54.8	54.9	54.9
≥ 9000	40.2	48.1	51.6	53.1	54.3	54.4	55.2	55.4	55.5	55.5	55.6	55.6	55.7	55.7	55.8	55.8
≥ 8000	40.8	49.1	52.6	54.1	55.3	55.4	56.1	56.3	56.4	56.4	56.5	56.5	56.6	56.6	56.7	56.7
≥ 7000	42.6	51.2	54.9	56.4	57.6	57.7	58.4	58.7	58.8	58.8	58.9	58.9	59.0	59.0	59.1	59.1
≥ 6000	43.7	52.5	56.2	57.7	58.9	59.0	59.8	60.0	60.1	60.1	60.3	60.3	60.4	60.4	60.5	60.5
≥ 5000	46.7	55.9	59.6	61.1	62.4	62.5	63.3	63.5	63.7	63.7	63.8	63.8	63.9	63.9	64.0	64.0
≥ 4500	47.1	56.6	60.4	61.8	63.1	63.2	64.1	64.3	64.4	64.4	64.5	64.5	64.6	64.6	64.7	64.7
≥ 4000	48.6	58.7	62.7	64.2	65.5	65.6	66.5	66.7	66.8	66.8	67.0	67.0	67.1	67.1	67.2	67.2
≥ 3500	51.8	62.2	66.3	67.8	69.1	69.2	70.1	70.4	70.5	70.5	70.6	70.6	70.7	70.7	70.8	70.8
≥ 3000	54.7	65.6	69.7	71.3	72.7	72.8	73.8	74.0	74.1	74.1	74.2	74.2	74.3	74.3	74.4	74.4
≥ 2500	56.9	67.9	72.1	73.6	75.2	75.3	76.4	76.6	76.7	76.7	76.8	76.8	76.9	76.9	77.0	77.0
≥ 2000	60.5	72.4	76.7	78.3	79.9	80.0	81.1	81.3	81.4	81.4	81.5	81.5	81.6	81.6	81.7	81.7
≥ 1800	61.7	73.8	78.2	79.8	81.4	81.5	82.6	82.8	82.9	82.9	83.0	83.0	83.1	83.1	83.2	83.2
≥ 1500	64.0	76.4	81.1	82.8	84.5	84.6	85.7	85.9	86.0	86.0	86.1	86.1	86.2	86.2	86.3	86.3
≥ 1200	66.6	79.6	84.4	86.1	87.9	88.0	89.1	89.3	89.4	89.4	89.5	89.5	89.6	89.6	89.7	89.7
≥ 1000	68.1	81.4	86.3	88.0	89.9	90.0	91.1	91.3	91.4	91.4	91.5	91.5	91.6	91.6	91.7	91.7
≥ 900	68.9	82.1	87.0	88.7	90.6	90.8	91.8	92.0	92.1	92.1	92.2	92.2	92.3	92.3	92.5	92.5
≥ 800	69.6	83.1	88.0	89.7	91.7	91.8	92.9	93.1	93.2	93.2	93.3	93.3	93.4	93.4	93.5	93.5
≥ 700	69.8	83.8	88.8	90.5	92.6	92.7	93.7	93.9	94.0	94.0	94.2	94.2	94.3	94.3	94.4	94.4
≥ 600	70.1	84.4	89.4	91.1	93.1	93.3	94.4	94.6	94.7	94.7	94.8	94.8	94.9	94.9	95.0	95.0
≥ 500	70.5	85.0	90.1	91.9	93.9	94.2	95.3	95.6	95.7	95.7	95.9	95.9	96.1	96.1	96.2	96.2
≥ 400	70.5	85.3	90.5	92.5	94.6	94.8	96.1	96.4	96.5	96.6	96.7	96.7	97.1	97.1	97.2	97.2
≥ 300	70.7	85.8	91.2	93.1	95.4	95.6	97.2	97.6	97.7	97.8	97.9	97.9	98.3	98.3	98.5	98.5
≥ 200	70.7	85.8	91.2	93.1	95.4	95.6	97.2	97.7	97.8	97.9	98.0	98.0	98.6	98.6	98.9	98.9
≥ 100	70.7	85.8	91.2	93.1	95.4	95.6	97.2	97.7	97.8	97.9	98.0	98.0	98.9	98.9	99.3	99.3
≥ 0	70.7	85.8	91.2	93.1	95.4	95.6	97.2	97.7	97.8	97.9	98.0	98.0	98.9	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 341

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0900
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	24.9	31.1	34.0	35.4	35.8	36.1	36.6	37.3	37.5	37.6	37.7	37.8	38.0	38.1	38.2	38.2
≥ 20000	17.2	33.8	37.4	38.8	39.2	39.6	40.1	40.9	41.0	41.2	41.3	41.4	41.6	41.7	41.8	41.8
≥ 18000	27.5	34.1	37.6	39.1	39.5	39.9	40.4	41.1	41.3	41.5	41.6	41.7	41.8	41.9	42.0	42.0
≥ 16000	27.6	34.1	37.7	39.2	39.6	40.0	40.5	41.2	41.4	41.6	41.7	41.8	41.9	42.0	42.1	42.1
≥ 14000	28.1	34.7	38.3	39.8	40.2	40.6	41.1	41.8	42.0	42.2	42.3	42.4	42.6	42.7	42.7	42.7
≥ 12000	29.7	36.5	40.1	41.6	42.0	42.4	42.9	43.6	43.8	44.0	44.1	44.2	44.4	44.4	44.5	44.5
≥ 10000	30.5	37.4	41.0	42.6	43.0	43.4	43.9	44.6	44.8	45.0	45.1	45.2	45.3	45.4	45.5	45.5
≥ 9000	30.8	37.8	41.5	43.0	43.5	43.8	44.4	45.1	45.3	45.4	45.5	45.6	45.8	45.9	46.0	46.0
≥ 8000	32.3	39.8	43.5	45.1	45.5	45.9	46.4	47.1	47.3	47.5	47.6	47.7	47.8	47.9	48.0	48.0
≥ 7000	34.3	41.9	45.7	47.2	47.8	48.1	48.7	49.4	49.6	49.7	49.8	49.9	50.1	50.2	50.3	50.3
≥ 6000	35.7	43.5	47.2	48.7	49.3	49.6	50.2	50.9	51.1	51.3	51.3	51.4	51.6	51.7	51.8	51.9
≥ 5000	38.3	46.5	50.3	51.8	52.3	52.7	53.3	54.0	54.2	54.4	54.5	54.6	54.7	54.8	54.9	55.0
≥ 4500	39.2	47.6	51.5	53.0	53.6	53.9	54.6	55.3	55.5	55.6	55.7	55.8	56.0	56.1	56.2	56.3
≥ 4000	42.0	51.1	55.2	56.7	57.3	57.6	58.2	59.0	59.1	59.3	59.4	59.5	59.7	59.8	59.9	59.9
≥ 3500	44.2	53.7	58.1	59.6	60.2	60.6	61.3	62.1	62.3	62.5	62.5	62.6	62.8	62.9	63.0	63.1
≥ 3000	47.2	56.8	61.2	62.7	63.4	63.9	64.6	65.5	65.7	65.9	65.9	66.0	66.2	66.3	66.4	66.5
≥ 2500	50.2	60.2	64.7	66.2	66.9	67.4	68.1	69.1	69.3	69.4	69.5	69.6	69.8	69.9	70.0	70.1
≥ 2000	54.1	64.7	69.4	71.1	71.8	72.2	73.0	74.0	74.2	74.4	74.5	74.6	74.7	74.8	74.9	75.0
≥ 1800	55.5	66.2	71.1	72.8	73.5	73.9	74.7	75.7	75.9	76.1	76.2	76.3	76.4	76.5	76.6	76.7
≥ 1500	58.5	69.4	74.4	76.2	76.9	77.3	78.2	79.2	79.4	79.6	79.7	79.7	79.9	80.0	80.1	80.2
≥ 1200	62.7	74.0	79.4	81.3	82.1	82.5	83.4	84.4	84.6	84.8	84.9	85.0	85.2	85.3	85.4	85.5
≥ 1000	64.2	75.9	81.3	83.2	84.1	84.6	85.5	86.5	86.7	86.9	87.2	87.3	87.5	87.5	87.6	87.7
≥ 900	64.8	76.7	82.3	84.3	85.1	85.7	86.6	87.5	87.8	88.0	88.3	88.4	88.5	88.6	88.7	88.8
≥ 800	65.0	77.9	83.6	85.7	86.7	87.4	88.3	89.3	89.6	89.8	90.1	90.1	90.3	90.4	90.5	90.6
≥ 700	65.9	78.7	84.6	86.8	88.2	88.8	89.7	90.8	91.0	91.2	91.5	91.6	91.8	91.8	92.0	92.1
≥ 600	66.0	79.3	85.2	87.5	89.0	89.6	90.6	91.9	92.3	92.5	92.8	92.9	93.1	93.2	93.4	93.5
≥ 500	66.1	79.8	85.8	88.3	90.0	90.6	91.6	93.0	93.4	93.9	94.4	94.4	94.7	94.8	95.0	95.1
≥ 400	66.1	79.8	85.8	88.3	90.1	90.8	91.8	93.5	93.9	94.8	95.5	95.6	96.0	96.1	96.3	96.4
≥ 300	66.1	79.8	85.8	88.3	90.2	91.0	92.1	93.8	94.3	95.3	96.1	96.5	97.0	97.1	97.6	97.9
≥ 200	66.1	79.8	85.8	88.3	90.2	91.0	92.3	94.0	94.4	95.4	96.3	96.7	97.6	97.9	98.5	98.7
≥ 100	66.1	79.8	85.8	88.3	90.2	91.0	92.3	94.0	94.5	95.5	96.4	96.8	97.7	98.0	98.9	99.5
≥ 0	66.1	79.8	85.8	88.3	90.2	91.0	92.3	94.0	94.5	95.6	96.5	96.9	97.8	98.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	29.5	36.2	38.3	39.4	39.9	40.0	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 20000	32.9	40.2	42.5	43.6	44.1	44.3	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 18000	32.9	40.2	42.5	43.6	44.1	44.3	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 16000	32.9	40.2	42.5	43.6	44.1	44.3	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 14000	33.7	41.1	43.4	44.5	45.0	45.2	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 12000	34.2	42.0	44.3	45.4	45.9	46.1	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 10000	35.8	43.7	46.0	47.1	47.7	47.8	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 9000	36.3	44.2	46.4	47.6	48.1	48.3	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 8000	38.3	46.4	48.7	49.9	50.4	50.6	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 7000	39.7	47.8	50.3	51.5	52.2	52.3	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 6000	41.2	49.5	51.9	53.1	53.8	53.9	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 5000	43.1	51.6	54.1	55.5	56.1	56.3	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 4500	45.0	53.5	56.0	57.3	58.0	58.2	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 4000	46.8	55.6	58.5	59.9	60.6	60.8	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 3500	49.2	58.0	60.9	62.3	63.1	63.3	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 3000	52.3	61.1	64.2	65.5	66.3	66.5	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 2500	57.1	66.2	69.4	70.8	71.6	71.8	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 2000	63.7	73.7	77.1	78.5	79.4	79.6	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1800	65.9	76.3	80.0	81.6	82.5	82.7	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1500	70.1	81.1	85.2	86.9	87.3	88.2	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1200	72.7	84.6	88.9	90.6	91.3	92.1	92.9	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1000	73.7	86.1	90.8	92.8	94.1	94.5	95.3	95.5	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	73.9	86.3	91.2	93.3	94.7	95.3	96.1	96.2	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4
≥ 800	73.9	86.6	91.6	93.6	95.1	95.6	96.4	96.6	96.6	96.6	96.7	96.9	96.9	96.9	96.9	96.9
≥ 700	74.0	86.8	91.8	94.2	95.7	96.2	97.3	97.5	97.5	97.5	97.7	97.8	97.8	97.8	97.8	97.8
≥ 600	74.0	87.1	92.1	94.4	96.1	96.5	97.7	97.9	98.0	98.0	98.3	98.6	98.6	98.6	98.6	98.6
≥ 500	74.1	87.2	92.2	94.5	96.1	96.6	97.9	98.2	98.4	98.7	99.2	99.2	99.3	99.3	99.3	99.3
≥ 400	74.1	87.2	92.3	94.7	96.3	97.0	98.2	98.5	98.7	99.2	99.6	99.6	99.7	99.7	99.7	99.7
≥ 300	74.1	87.2	92.3	94.7	96.3	97.0	98.2	98.6	98.7	99.3	99.7	99.8	99.9	99.9	99.9	99.9
≥ 200	74.1	87.2	92.3	94.7	96.3	97.0	98.2	98.6	98.7	99.3	99.7	99.8	99.9	99.9	99.9	99.9
≥ 100	74.1	87.2	92.3	94.7	96.3	97.0	98.2	98.6	98.7	99.4	99.8	99.9	100.0	100.0	100.0	100.0
≥ 0	74.1	87.2	92.3	94.7	96.3	97.0	98.2	98.6	98.7	99.4	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
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MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	42.9	47.1	47.6	47.7	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	48.7	53.6	54.0	54.2	54.6	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 18000	49.0	53.9	54.3	54.5	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 16000	49.1	53.9	54.4	54.6	54.9	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	50.1	55.0	55.5	55.6	56.0	56.0	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 12000	50.9	56.3	56.7	56.9	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 10000	51.4	56.8	57.3	57.4	57.9	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 9000	52.0	57.3	57.8	58.0	58.4	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 8000	54.8	60.7	61.1	61.3	61.7	61.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 7000	55.9	61.9	62.4	62.5	63.0	63.0	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 6000	57.9	63.9	64.4	64.6	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 5000	60.8	66.8	67.3	67.7	68.1	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4500	63.0	69.3	69.8	70.3	70.7	70.7	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 4000	66.2	72.8	73.3	73.7	74.2	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3500	69.5	76.1	76.6	77.1	77.5	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3000	74.0	80.6	81.3	81.7	82.2	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2500	78.6	85.8	86.8	87.3	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 2000	85.0	93.0	94.3	94.8	95.3	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1800	85.5	93.5	94.8	95.3	95.8	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1500	87.0	95.1	96.5	97.0	97.6	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	87.3	95.6	97.3	98.0	98.6	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	87.3	95.9	97.4	98.2	98.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	87.3	96.0	97.5	98.3	98.8	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	87.5	96.1	97.7	98.5	99.0	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	87.5	96.2	97.8	98.6	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	87.5	96.2	97.8	98.6	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	87.5	96.2	97.8	98.6	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	87.5	96.2	97.8	98.6	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	87.5	96.2	97.8	98.6	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	87.5	96.2	97.8	98.6	99.2	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	87.5	96.2	97.8	98.6	99.2	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	87.5	96.2	97.8	98.6	99.2	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	1.9	52.8	53.0	53.0	53.1	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 20000	57.6	59.0	59.1	59.1	59.3	59.3	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 18000	57.8	59.1	59.3	59.3	59.5	59.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	57.8	59.1	59.3	59.3	59.5	59.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000	59.9	61.4	61.6	61.6	61.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 12000	60.9	62.5	62.9	62.9	63.1	63.1	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 10000	61.6	63.3	63.6	63.7	63.9	63.9	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 9000	63.2	65.1	65.4	65.5	65.7	65.7	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 8000	66.2	68.8	69.2	69.3	69.4	69.4	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 7000	67.7	70.5	70.9	71.0	71.1	71.1	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 6000	69.9	72.8	73.1	73.2	73.4	73.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 5000	74.3	77.2	77.7	77.8	78.0	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4500	76.4	79.7	80.1	80.2	80.4	80.4	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4000	80.3	83.6	84.1	84.1	84.3	84.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 3500	83.6	86.9	87.4	87.5	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3000	86.0	89.4	90.2	90.4	90.6	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500	89.3	93.1	94.0	94.2	94.5	94.5	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2000	91.1	95.3	96.1	96.4	96.8	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	91.7	95.8	96.9	97.1	97.6	97.7	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	92.1	96.2	97.4	97.7	98.1	98.2	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200	92.4	96.5	97.7	98.0	98.5	98.6	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	92.5	96.6	97.8	98.2	98.7	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	92.5	96.6	97.8	98.2	98.7	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	92.5	96.6	97.8	98.2	98.7	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	92.5	96.7	97.8	98.3	98.9	99.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	92.5	96.7	97.8	98.3	98.9	99.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	92.5	96.7	97.8	98.3	98.9	99.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	92.5	96.7	97.9	98.4	99.0	99.1	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	92.5	96.7	97.9	98.4	99.0	99.1	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	92.5	96.7	97.9	98.4	99.0	99.1	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	92.5	96.7	97.9	98.4	99.0	99.1	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	92.5	96.7	97.9	98.4	99.0	99.1	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1115

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

116
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	58.1	59.1	59.3	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 20000	62.5	63.9	64.2	64.4	64.5	64.5	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 18000	62.6	64.0	64.2	64.5	64.6	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 16000	63.1	64.4	64.7	65.0	65.1	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 14000	65.4	67.1	67.4	67.7	67.8	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 12000	67.0	69.1	69.4	69.7	69.8	69.8	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 10000	68.4	70.5	70.8	71.1	71.2	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 9000	69.0	71.1	71.5	71.9	72.0	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 8000	71.9	74.5	75.1	75.5	75.7	75.7	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 7000	73.7	77.1	77.7	78.1	78.3	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 6000	75.6	79.1	79.8	80.3	80.5	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 5000	79.6	83.2	84.1	84.5	84.7	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4500	81.4	85.1	86.0	86.5	86.6	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000	84.3	88.4	89.5	90.1	90.2	90.4	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3500	86.3	90.5	91.6	92.1	92.3	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3000	87.9	92.7	93.9	94.4	94.6	94.8	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2500	89.5	94.6	95.8	96.3	96.6	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2000	90.5	95.6	97.0	97.5	97.8	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800	90.9	96.0	97.4	98.0	98.3	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500	91.0	96.1	97.6	98.2	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200	91.3	96.5	98.2	98.8	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	91.3	96.5	98.3	98.9	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	91.3	96.5	98.3	98.9	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	91.3	96.5	98.3	98.9	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	91.3	96.5	98.3	98.9	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	91.3	96.5	98.3	98.9	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	91.3	96.5	98.3	99.0	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	91.3	96.5	98.3	99.0	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	91.3	96.5	98.3	99.0	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.3	96.5	98.3	99.0	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.3	96.5	98.3	99.0	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	91.3	96.5	98.3	99.0	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1116

USAFETAC

FORM
JUL 64

0 14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	58.6	62.6	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 20000	62.0	66.3	67.4	67.5	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 18000	62.0	66.3	67.4	67.5	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 16000	62.6	67.0	68.0	68.1	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 14000	63.2	67.9	69.0	69.1	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 12000	64.1	68.8	69.8	69.9	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 10000	65.6	70.2	71.3	71.4	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 9000	66.5	71.2	72.3	72.4	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 8000	68.9	74.2	75.5	75.6	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 7000	70.6	76.6	77.9	78.0	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 6000	72.4	78.4	79.7	79.8	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 5000	76.0	82.3	83.5	83.6	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 4500	77.3	83.8	85.1	85.2	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 4000	78.6	85.8	87.0	87.1	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3500	80.9	88.4	89.7	89.8	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 3000	82.6	90.4	91.8	92.0	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2500	84.7	93.0	94.5	94.7	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2000	85.7	94.5	96.0	96.2	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	86.1	94.9	96.4	96.6	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500	86.8	95.9	97.4	97.7	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	87.4	96.5	98.2	98.4	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	87.8	96.9	98.8	99.0	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	87.8	96.9	98.8	99.0	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	87.8	96.9	98.8	99.0	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	87.9	97.0	98.9	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	87.9	97.0	98.9	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	87.9	97.0	98.9	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	87.9	97.0	98.9	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	87.9	97.0	98.9	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	87.9	97.0	98.9	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	87.9	97.0	98.9	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	87.9	97.0	98.9	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 241

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AA1
STATION NAME

39,60-70
YEARS

RP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	11.5	34.0	38.1	40.7	43.8	44.6	46.7	48.1	48.4	49.2	49.5	49.9	50.6	50.9	51.1	51.9
≥ 20000	22.0	35.1	39.4	42.1	45.6	46.4	48.5	49.8	50.2	51.0	51.3	51.7	52.3	52.7	53.3	53.9
≥ 18000	22.0	35.1	39.4	42.1	45.6	46.4	48.5	49.8	50.2	51.0	51.3	51.7	52.3	52.7	53.3	53.9
≥ 16000	22.0	35.1	39.4	42.1	45.6	46.4	48.5	49.8	50.2	51.0	51.3	51.7	52.3	52.7	53.3	53.9
≥ 14000	22.0	35.0	40.1	43.0	46.4	47.2	49.3	50.7	51.0	51.8	52.1	52.6	53.2	53.5	54.1	54.7
≥ 12000	22.1	36.1	40.7	43.5	46.9	47.8	49.8	51.2	51.5	52.3	52.7	53.1	53.7	54.0	54.6	55.3
≥ 10000	23.5	38.0	42.5	45.5	48.9	49.7	51.8	53.2	53.5	54.3	54.6	55.1	55.7	56.0	56.6	57.2
≥ 9000	23.6	38.2	42.8	45.7	49.1	49.9	52.0	53.4	53.7	54.5	54.8	55.3	55.9	56.2	56.8	57.5
≥ 8000	24.7	39.6	44.4	47.5	51.2	52.0	54.1	55.5	55.8	56.7	57.0	57.5	58.1	58.4	59.0	59.6
≥ 7000	26.1	42.5	47.1	50.4	54.0	54.8	56.9	58.3	58.6	59.5	59.9	60.3	60.9	61.2	61.8	62.5
≥ 6000	27.0	43.9	48.5	51.9	55.7	56.5	58.6	60.0	60.3	61.2	61.5	61.9	62.6	62.9	63.5	64.1
≥ 5000	28.7	46.9	51.9	55.4	59.1	60.0	62.0	63.4	63.7	64.7	65.0	65.4	66.0	66.3	66.9	67.6
≥ 4500	30.2	48.7	53.7	57.2	61.0	61.8	63.9	65.3	65.6	66.5	66.8	67.3	67.9	68.2	68.8	69.4
≥ 4000	30.9	50.2	55.3	59.0	62.8	63.6	65.7	67.0	67.4	68.3	68.6	69.0	69.7	70.0	70.6	71.2
≥ 3500	31.7	51.3	56.4	60.3	64.0	64.9	66.9	68.3	68.6	69.6	69.9	70.3	70.9	71.2	71.8	72.5
≥ 3000	33.4	53.3	58.5	62.5	66.2	67.0	69.2	70.6	70.9	71.8	72.2	72.6	73.2	73.5	74.1	74.8
≥ 2500	35.8	56.7	62.1	66.2	70.1	70.9	73.2	74.7	75.0	75.9	76.2	76.6	77.3	77.6	78.2	78.8
≥ 2000	39.4	61.4	66.9	71.3	75.2	76.0	78.3	79.8	80.1	81.0	81.3	81.8	82.4	82.7	83.3	83.9
≥ 1800	39.9	62.3	67.8	72.3	76.3	77.2	79.5	80.9	81.2	82.2	82.5	82.9	83.5	83.8	84.5	85.1
≥ 1600	40.8	63.9	69.6	74.3	78.5	79.4	81.6	83.1	83.4	84.4	84.7	85.1	85.7	86.0	86.7	87.3
≥ 1200	41.7	65.2	71.0	76.1	80.4	81.2	83.5	85.0	85.3	86.2	86.5	87.0	87.6	87.9	88.5	89.2
≥ 1000	42.1	65.7	71.5	76.6	81.1	82.0	84.3	85.7	86.0	87.0	87.3	87.7	88.3	88.6	89.1	89.6
≥ 900	42.1	65.9	71.7	76.9	81.3	82.2	84.6	86.0	86.3	87.3	87.6	88.0	88.6	88.9	89.6	90.2
≥ 800	42.1	66.2	72.1	77.2	81.6	82.5	85.0	86.7	87.0	87.9	88.2	88.6	89.3	89.6	90.2	90.8
≥ 700	42.1	66.5	72.4	77.5	82.0	82.8	85.3	87.0	87.3	88.2	88.5	88.9	89.6	89.9	90.5	91.1
≥ 600	42.1	66.8	72.7	77.8	82.4	83.2	85.8	87.5	87.8	88.7	89.1	89.5	90.1	90.4	91.0	91.7
≥ 500	42.1	67.2	73.1	78.3	82.9	83.7	86.5	88.5	88.8	89.8	90.1	90.5	91.1	91.4	92.1	92.7
≥ 400	42.1	67.3	73.3	78.5	83.2	84.0	86.9	88.8	89.2	90.1	90.4	90.8	91.4	91.7	92.4	93.0
≥ 300	42.1	67.4	73.5	78.7	83.7	84.7	87.5	89.6	90.1	91.1	91.4	91.9	92.5	92.8	93.4	94.2
≥ 200	42.1	67.4	73.5	78.7	83.8	84.8	87.7	90.0	90.5	91.7	92.1	92.5	93.2	93.5	94.1	95.1
≥ 100	42.1	67.4	73.5	78.7	83.9	84.9	87.9	90.2	90.7	92.0	92.4	92.8	93.7	94.1	95.4	97.0
≥ 0	42.1	67.4	73.5	78.7	83.9	84.9	87.9	90.2	90.7	92.0	92.4	92.8	93.7	94.1	95.4	97.0

TOTAL NUMBER OF OBSERVATIONS 959

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39260-68
YEARS

SFP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	31.0	46.4	50.7	53.4	56.1	56.7	58.0	58.7	58.7	59.2	59.6	60.1	60.8	60.9	61.0	61.2
≥ 20000	32.0	48.4	52.8	55.6	58.6	59.1	60.4	61.2	61.2	61.9	62.4	62.4	63.4	63.7	63.8	64.0
≥ 18000	32.0	48.4	52.8	55.6	58.6	59.1	60.4	61.2	61.2	61.9	62.4	62.4	63.4	63.7	63.8	64.0
≥ 16000	32.0	48.4	52.8	55.6	58.6	59.1	60.4	61.2	61.2	61.9	62.4	62.4	63.4	63.7	63.8	64.0
≥ 14000	32.2	48.8	53.2	56.0	59.0	59.6	60.9	61.7	61.7	62.3	62.9	63.2	63.9	64.1	64.2	64.4
≥ 12000	32.2	49.7	54.1	56.9	59.9	60.4	61.8	62.6	62.6	63.2	63.8	64.1	64.8	65.0	65.1	65.3
≥ 10000	33.0	50.6	55.0	57.9	61.0	61.6	62.9	63.7	63.7	64.3	64.9	65.2	66.0	66.2	66.3	66.6
≥ 9000	34.3	51.9	56.3	59.2	62.3	62.9	64.2	65.0	65.0	65.7	66.2	66.6	67.3	67.6	67.7	67.9
≥ 8000	36.2	54.9	59.3	62.2	65.3	65.9	67.2	68.0	68.0	68.7	69.2	69.6	70.3	70.6	70.7	70.9
≥ 7000	37.8	57.4	62.0	65.2	68.3	69.9	70.2	71.0	71.0	71.7	72.2	72.6	73.3	73.6	73.7	73.9
≥ 6000	38.9	58.9	63.4	66.7	69.8	70.3	71.7	72.4	72.4	73.1	73.7	74.0	74.8	75.0	75.1	75.3
≥ 5000	39.6	60.0	64.9	68.4	71.6	72.1	73.4	74.2	74.2	74.9	75.4	75.3	76.6	76.6	76.7	77.1
≥ 4500	40.3	61.2	66.1	69.8	72.9	73.4	74.8	75.6	75.6	76.2	76.8	77.1	77.9	78.1	78.2	78.4
≥ 4000	41.7	63.1	68.0	71.8	75.0	75.6	76.9	77.7	77.7	78.3	78.9	79.2	80.0	80.2	80.3	80.6
≥ 3500	42.3	64.1	69.2	73.0	76.2	76.8	78.1	78.9	78.9	79.6	80.1	80.4	81.2	81.4	81.6	81.8
≥ 3000	44.1	66.6	71.7	75.4	78.7	79.2	80.6	81.3	81.3	82.1	82.7	83.0	83.8	84.0	84.1	84.3
≥ 2500	46.0	69.3	74.7	78.6	82.0	82.6	83.9	84.7	84.7	85.6	86.1	86.4	87.2	87.4	87.6	87.8
≥ 2000	48.4	73.7	79.3	83.3	86.9	87.4	88.9	89.7	89.7	90.6	91.2	91.4	92.3	92.6	92.7	92.9
≥ 1800	49.7	75.0	80.8	84.9	88.6	89.1	90.6	91.3	91.3	92.2	92.9	93.2	94.0	94.2	94.3	94.6
≥ 1500	49.9	75.7	81.7	86.2	89.9	90.4	91.9	92.7	92.7	93.6	94.2	94.6	95.3	95.6	95.7	95.9
≥ 1200	50.2	76.2	82.2	86.8	90.4	91.0	92.4	93.3	93.3	94.2	94.9	95.2	96.0	96.2	96.3	96.6
≥ 1000	50.3	76.6	82.6	87.1	90.8	91.3	92.9	94.1	94.1	95.0	95.7	96.0	96.6	97.0	97.1	97.3
≥ 900	50.3	76.6	82.6	87.1	90.8	91.3	93.0	94.2	94.2	95.1	95.8	96.1	96.9	97.1	97.2	97.4
≥ 800	50.3	76.7	82.7	87.2	90.9	91.4	93.2	94.4	94.4	95.3	96.0	96.3	97.1	97.3	97.4	97.7
≥ 700	50.3	76.8	82.8	87.3	91.0	91.6	93.3	94.6	94.6	95.4	96.1	96.4	97.2	97.4	97.6	97.8
≥ 600	50.3	76.8	82.9	87.4	91.1	91.7	93.4	94.7	94.7	95.6	96.2	96.6	97.3	97.6	97.7	97.9
≥ 500	50.3	76.8	83.2	87.8	91.4	92.0	93.8	95.0	95.0	95.9	96.6	96.9	97.7	97.9	98.0	98.2
≥ 400	50.3	76.9	83.3	87.9	91.7	92.2	94.0	95.2	95.2	96.1	96.8	97.1	97.9	98.1	98.2	98.7
≥ 300	50.3	76.9	83.3	87.9	91.7	92.3	94.1	95.3	95.3	96.2	96.9	97.2	98.0	98.2	98.3	98.8
≥ 200	50.3	76.9	83.3	87.9	91.8	92.4	94.2	95.4	95.4	96.3	97.1	97.4	98.3	98.6	98.7	99.2
≥ 100	50.3	76.9	83.3	87.9	91.8	92.4	94.2	95.4	95.4	96.3	97.1	97.4	98.3	98.6	98.7	99.7
≥ 0	50.3	76.9	83.3	87.9	91.8	92.4	94.2	95.4	95.4	96.3	97.1	97.4	98.3	98.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 200

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201 FORT LEWIS WASHINGTON/GRAY AAF 39,60-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	10.6	21.4	23.7	26.9	28.7	30.2	32.5	33.8	34.0	34.5	35.0	35.1	35.7	36.1	36.5	37.6
≥ 20000	10.4	23.6	26.0	29.5	31.5	33.2	35.6	37.4	37.8	38.2	38.7	38.7	39.5	39.9	40.4	41.7
≥ 18000	10.4	23.6	26.0	29.5	31.5	33.2	35.6	37.4	37.8	38.2	38.7	38.9	39.5	39.9	40.4	41.7
≥ 16000	10.5	23.7	26.1	29.6	31.6	33.3	35.7	37.5	37.8	38.3	38.8	39.0	39.6	40.0	40.5	41.7
≥ 14000	19.0	24.3	26.9	30.5	32.6	34.2	36.6	38.4	38.8	39.2	39.7	39.9	40.5	40.9	41.5	42.7
≥ 12000	19.9	25.4	28.0	31.7	33.8	35.4	37.9	39.7	40.1	40.6	41.1	41.3	41.9	42.3	42.9	44.1
≥ 10000	21.0	27.5	30.2	34.0	36.0	37.7	40.2	41.9	42.3	42.9	43.3	43.5	44.2	44.5	45.1	46.3
≥ 9000	22.3	28.1	30.9	34.6	36.6	38.3	40.8	42.5	42.9	43.5	44.0	44.2	44.8	45.2	45.7	46.9
≥ 8000	23.9	30.3	33.3	37.0	39.1	40.8	43.3	45.2	45.5	46.1	46.6	46.8	47.4	47.8	48.3	49.5
≥ 7000	25.0	31.4	34.4	38.3	40.5	42.3	44.8	46.7	47.0	47.6	48.1	48.2	48.9	49.3	49.8	51.0
≥ 6000	26.3	33.1	36.2	40.2	42.7	44.5	47.1	49.7	49.4	49.9	50.4	50.6	51.2	51.6	52.1	53.3
≥ 5000	28.8	36.3	39.4	43.4	45.9	47.8	50.4	52.3	52.7	53.2	53.7	53.9	54.5	54.9	55.5	56.7
≥ 4500	30.1	38.2	41.5	45.5	48.0	49.8	52.4	54.4	54.7	55.3	55.8	55.9	56.6	57.0	57.5	58.7
≥ 4000	32.4	41.1	44.3	48.7	51.3	53.2	55.8	57.7	58.1	58.7	59.2	59.4	60.0	60.4	60.9	62.2
≥ 3500	34.0	42.9	46.1	50.6	53.2	55.1	57.7	59.6	60.0	60.7	61.1	61.3	62.0	62.3	62.9	64.1
≥ 3000	35.6	45.1	48.3	53.0	55.6	57.4	60.1	62.1	62.4	63.2	63.6	63.9	64.6	64.9	65.5	66.7
≥ 2500	38.3	48.1	51.7	56.4	59.3	61.1	63.9	65.9	66.2	67.0	67.4	67.7	68.4	68.7	69.3	70.5
≥ 2000	41.3	51.9	55.7	60.5	63.5	65.4	68.2	70.1	70.5	71.3	71.8	72.1	72.7	73.1	73.7	74.9
≥ 1800	41.7	52.4	56.1	60.9	64.1	66.0	68.7	70.7	71.1	72.0	72.4	72.7	73.4	73.7	74.3	75.5
≥ 1500	43.1	54.2	58.0	62.8	66.0	67.8	70.6	72.5	72.9	73.8	74.3	74.6	75.2	75.6	76.2	77.4
≥ 1200	44.2	56.2	60.1	65.0	68.3	70.1	73.0	75.0	75.3	76.3	76.7	77.0	77.6	78.0	78.6	79.8
≥ 1000	44.5	57.2	61.1	66.2	69.6	71.4	74.4	76.3	76.9	77.8	78.3	78.6	79.2	79.6	80.1	81.4
≥ 900	44.6	57.3	61.2	66.4	69.8	71.6	74.6	76.5	77.1	78.0	78.5	78.8	79.4	79.8	80.3	81.5
≥ 800	44.8	58.0	61.9	67.1	70.4	72.3	75.2	77.3	77.8	78.8	79.2	79.5	80.1	80.5	81.1	82.3
≥ 700	44.9	58.2	62.2	67.3	70.7	72.5	75.6	77.9	78.6	79.5	80.0	80.2	80.9	81.3	81.8	83.0
≥ 600	44.9	58.3	62.2	67.4	70.8	72.8	75.9	78.2	78.8	79.8	80.2	80.5	81.2	81.5	82.1	83.3
≥ 500	44.9	58.4	62.5	68.3	71.8	73.8	77.1	79.5	80.2	81.2	81.7	82.0	82.7	83.0	83.6	84.9
≥ 400	44.9	58.5	62.8	68.6	72.3	74.3	77.8	80.5	81.4	82.6	83.2	83.6	84.3	84.7	85.3	86.5
≥ 300	44.9	58.5	62.8	68.6	72.3	74.3	78.2	81.2	82.4	84.0	84.9	85.2	86.1	86.5	87.4	89.2
≥ 200	44.9	58.6	62.9	68.7	72.4	74.4	78.4	81.4	82.7	84.5	85.6	86.4	87.6	88.7	89.8	92.2
≥ 100	44.9	58.6	62.9	68.7	72.4	74.4	78.4	81.4	82.7	84.6	85.9	86.6	88.1	89.7	91.4	97.2
≥ 0	44.9	58.6	62.9	68.7	72.4	74.4	78.4	81.4	82.7	84.6	85.9	86.6	88.1	89.7	91.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1279

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74201
STATION

FOPT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	23.0	30.1	32.5	37.9	39.6	38.8	40.6	41.2	41.2	41.0	41.6	41.6	41.2	41.5	41.7	41.8
≥ 20000	24.7	32.4	35.1	40.7	42.0	42.9	43.6	44.3	44.3	44.7	44.7	44.7	44.7	44.8	44.9	45.0
≥ 18000	24.7	32.4	35.1	40.7	42.0	42.9	43.6	44.3	44.3	44.7	44.7	44.7	44.7	44.8	44.9	45.0
≥ 16000	25.3	33.1	35.7	41.4	43.2	43.8	44.3	44.9	44.9	45.4	45.4	45.4	45.4	45.5	45.6	45.6
≥ 14000	25.6	33.5	36.2	41.9	43.7	44.1	44.8	45.5	45.5	45.9	45.9	45.9	45.9	46.0	46.1	46.2
≥ 12000	26.7	34.6	37.3	43.1	45.0	45.4	46.1	46.8	46.8	47.2	47.2	47.2	47.2	47.3	47.4	47.5
≥ 10000	28.0	36.1	38.9	44.7	46.8	47.1	47.9	48.6	48.6	49.1	49.1	49.1	49.1	49.2	49.3	49.4
≥ 9000	28.6	36.9	39.7	45.6	47.6	48.0	48.7	49.4	49.4	49.9	49.9	49.9	49.9	50.0	50.1	50.2
≥ 8000	30.0	38.8	41.9	47.0	49.9	50.4	51.1	51.9	51.9	52.3	52.3	52.3	52.3	52.4	52.5	52.6
≥ 7000	32.0	40.9	44.3	50.2	52.3	52.8	53.5	54.3	54.3	54.7	54.7	54.7	54.7	54.8	54.9	55.0
≥ 6000	32.5	41.4	44.8	51.2	53.5	54.0	54.8	55.6	55.6	56.0	56.0	56.0	56.0	56.1	56.2	56.3
≥ 5000	34.5	43.6	47.2	53.5	55.9	56.4	57.2	58.1	58.1	58.5	58.5	58.5	58.5	58.6	58.7	58.8
≥ 4500	36.1	45.2	48.7	55.2	57.6	58.1	58.9	59.7	59.7	60.2	60.2	60.2	60.2	60.3	60.4	60.5
≥ 4000	38.4	48.1	51.7	58.2	60.7	61.2	62.1	63.1	63.1	63.5	63.5	63.5	63.5	63.6	63.7	63.8
≥ 3500	40.6	50.4	54.5	61.4	63.9	64.4	65.3	66.2	66.2	66.7	66.7	66.7	66.7	66.8	66.9	66.9
≥ 3000	43.6	54.0	58.1	65.1	67.8	68.2	69.2	70.1	70.1	70.6	70.6	70.6	70.6	70.6	70.7	70.8
≥ 2500	46.1	59.1	63.2	70.3	73.1	73.5	74.5	75.5	75.5	75.9	75.9	75.9	75.9	76.0	76.1	76.2
≥ 2000	50.9	62.7	67.0	74.2	77.1	77.7	78.7	79.6	79.6	80.1	80.2	80.2	80.2	80.3	80.4	80.5
≥ 1800	51.9	63.8	68.1	75.3	78.3	78.9	79.9	80.8	80.8	81.3	81.4	81.4	81.4	81.5	81.6	81.7
≥ 1500	52.8	65.2	69.6	76.8	79.9	80.6	81.8	82.7	82.7	83.1	83.2	83.2	83.2	83.3	83.4	83.5
≥ 1200	54.3	67.3	71.9	79.3	82.4	83.2	84.4	85.5	85.5	85.9	86.0	86.0	86.0	86.1	86.2	86.3
≥ 1000	54.7	68.2	73.1	80.6	83.9	84.8	86.0	87.1	87.1	87.6	87.7	87.7	87.7	87.8	87.9	88.0
≥ 900	55.0	68.9	73.8	81.4	84.7	85.6	86.9	88.1	88.1	88.6	88.7	88.7	88.7	88.8	88.9	89.0
≥ 800	55.0	69.3	74.4	82.1	85.6	86.9	88.2	89.6	89.6	90.1	90.2	90.2	90.2	90.3	90.4	90.5
≥ 700	55.1	69.7	74.8	82.8	86.3	87.7	89.2	90.9	90.9	91.5	91.7	91.7	91.7	91.8	91.9	91.9
≥ 600	55.1	70.0	75.3	83.2	86.9	88.2	89.9	91.7	91.7	92.2	92.4	92.4	92.4	92.5	92.6	92.7
≥ 500	55.1	70.0	75.4	83.5	87.4	89.0	91.0	92.9	93.2	94.5	94.8	95.1	95.2	95.3	95.4	95.5
≥ 400	55.1	70.0	75.4	83.5	87.4	89.2	91.3	93.3	93.7	95.2	96.2	96.5	96.7	96.8	96.9	97.0
≥ 300	55.1	70.0	75.5	83.6	87.5	89.3	91.4	93.5	94.1	95.8	97.0	97.5	98.0	98.1	98.4	98.8
≥ 200	55.1	70.0	75.5	83.6	87.5	89.3	91.4	93.5	94.1	95.9	97.3	98.0	98.6	98.7	99.1	99.6
≥ 100	55.1	70.0	75.5	83.6	87.5	89.3	91.4	93.5	94.1	96.0	97.4	98.1	98.7	98.8	99.2	100.0
≥ 0	55.1	70.0	75.5	83.6	87.5	89.3	91.4	93.5	94.1	96.0	97.4	98.1	98.7	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1080

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING	44.7	43.1	45.1	47.4	48.1	48.2	48.5	48.8	48.8	49.2	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000	39.8	49.1	51.0	53.3	54.1	54.3	54.5	54.9	54.9	55.3	55.4	55.4	55.4	55.4	55.4	55.4
≥ 18000	49.8	49.1	51.0	53.3	54.1	54.3	54.5	54.9	54.9	55.3	55.4	55.4	55.4	55.4	55.4	55.4
≥ 16000	40.1	49.4	51.3	53.6	54.4	54.6	54.9	55.4	55.4	55.7	55.8	55.8	55.8	55.8	55.8	55.8
≥ 14000	40.7	50.1	52.0	54.4	55.2	55.4	55.6	56.1	56.1	56.5	56.6	56.6	56.6	56.6	56.6	56.6
≥ 12000	41.3	50.6	52.6	55.0	55.8	56.0	56.3	56.8	56.8	57.1	57.2	57.2	57.2	57.2	57.2	57.2
≥ 10000	42.6	51.9	54.0	56.5	57.3	57.5	57.8	58.2	58.2	58.6	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000	43.0	52.6	54.6	57.1	58.0	58.1	58.4	58.9	59.0	59.5	59.6	59.6	59.6	59.6	59.6	59.6
≥ 8000	44.1	54.1	56.2	58.7	59.6	59.8	60.3	60.7	60.8	61.4	61.5	61.5	61.5	61.5	61.5	61.5
≥ 7000	46.5	56.5	58.7	61.3	62.3	62.5	63.0	63.4	63.5	64.1	64.2	64.2	64.2	64.2	64.2	64.2
≥ 6000	47.6	58.1	60.5	63.1	64.2	64.4	64.8	65.3	65.4	65.9	66.0	66.0	66.0	66.0	66.0	66.0
≥ 5000	49.4	60.1	62.4	65.1	66.1	66.4	66.9	67.3	67.4	68.0	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4500	52.0	62.8	65.1	67.9	68.9	69.2	69.6	70.1	70.2	70.7	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4000	54.9	65.8	68.1	70.9	71.9	72.2	72.7	73.1	73.2	73.8	74.1	74.1	74.1	74.1	74.1	74.1
≥ 3500	56.9	68.4	70.7	73.5	74.5	74.8	75.3	75.7	75.8	76.4	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3000	61.7	73.8	76.3	79.3	80.3	80.6	81.0	81.5	81.6	82.1	82.4	82.4	82.4	82.4	82.4	82.4
≥ 2500	65.9	78.3	81.3	84.4	85.5	85.7	86.2	86.7	86.8	87.3	87.6	87.6	87.6	87.6	87.6	87.6
≥ 2000	69.4	82.6	85.7	88.8	90.1	90.4	90.8	91.4	91.5	92.0	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	70.0	83.3	86.6	89.7	91.0	91.3	91.8	92.3	92.4	93.0	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1500	70.9	84.8	88.1	91.4	92.8	93.1	93.6	94.2	94.3	94.8	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1200	72.0	86.2	89.7	93.1	94.6	95.0	95.6	96.1	96.2	96.8	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000	72.1	86.7	90.3	93.8	95.3	95.7	96.4	97.0	97.1	97.7	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	72.1	86.9	90.6	94.1	95.6	96.1	96.8	97.4	97.5	98.1	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	72.2	87.3	90.9	94.5	96.2	96.8	97.4	98.1	98.2	98.8	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	72.2	87.3	90.9	94.6	96.3	96.9	97.6	98.4	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	72.2	87.3	90.9	94.6	96.3	96.9	97.6	98.7	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	72.2	87.3	90.9	94.6	96.3	96.9	97.6	98.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	72.2	87.3	90.9	94.6	96.3	96.9	97.6	98.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	72.2	87.3	90.9	94.6	96.3	96.9	97.6	98.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	72.2	87.3	90.9	94.6	96.3	96.9	97.6	98.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	72.2	87.3	90.9	94.6	96.3	96.9	97.6	98.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	72.2	87.3	90.9	94.6	96.3	96.9	97.6	98.7	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1060

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FUR LHMIS WASHINGTON/GRAY AAF
STATION NAME

49,60-70
YEARS

FP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	45.2	50.1	51.2	52.1	53.1	53.1	53.3	53.3	53.4	53.3	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	51.3	56.9	58.3	59.6	60.7	61.0	61.2	61.3	61.4	61.8	61.9	61.9	61.9	61.9	61.9	61.9
≥ 18000	51.3	56.9	58.3	59.6	60.7	61.0	61.2	61.3	61.4	61.8	61.9	61.9	61.9	61.9	61.9	61.9
≥ 16000	51.9	57.5	59.0	60.3	61.4	61.7	61.9	61.9	62.0	62.4	62.5	62.5	62.5	62.5	62.5	62.5
≥ 14000	52.6	58.1	59.6	60.9	62.0	62.3	62.5	62.6	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 12000	53.4	59.3	60.7	62.0	63.1	63.4	63.6	63.7	63.8	64.2	64.3	64.3	64.3	64.3	64.3	64.3
≥ 10000	55.6	61.6	63.1	64.4	65.5	65.7	65.9	66.0	66.1	66.5	66.6	66.6	66.6	66.6	66.6	66.6
≥ 9000	56.9	63.6	64.4	65.7	66.9	67.1	67.6	67.7	67.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2
≥ 8000	58.4	64.7	66.4	67.7	68.8	69.1	69.5	69.6	69.7	70.1	70.2	70.2	70.2	70.2	70.2	70.2
≥ 7000	61.0	67.7	69.5	70.9	72.0	72.3	72.8	72.9	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4
≥ 6000	62.0	69.0	70.8	72.2	73.3	73.7	74.2	74.3	74.4	74.7	74.8	74.8	74.8	74.8	74.8	74.8
≥ 5000	64.2	71.3	73.2	74.6	75.7	76.1	76.6	76.7	76.8	77.1	77.2	77.2	77.2	77.2	77.2	77.2
≥ 4500	66.9	74.0	75.9	77.6	78.7	79.1	79.5	79.6	79.7	80.1	80.2	80.2	80.2	80.2	80.2	80.2
≥ 4000	70.8	78.3	80.3	81.9	83.1	83.4	83.9	84.0	84.1	84.4	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500	73.0	81.3	83.2	84.9	86.1	86.5	86.9	87.0	87.1	87.6	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3000	75.4	84.0	86.0	87.9	89.1	89.4	89.9	90.0	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2500	77.6	86.4	88.4	90.7	92.1	92.5	93.0	93.1	93.1	93.6	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2000	79.7	88.9	90.9	93.4	95.0	95.5	95.9	96.0	96.1	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	80.1	89.4	91.4	94.0	95.6	96.1	96.6	96.7	96.8	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	80.7	90.2	92.3	95.0	96.6	97.2	97.7	97.8	97.9	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	80.9	90.6	92.8	95.5	97.3	97.8	98.3	98.5	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	80.9	90.6	92.8	95.5	97.3	97.9	98.6	98.8	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	80.9	90.7	92.9	95.6	97.4	98.1	98.9	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	80.9	90.7	92.9	95.6	97.4	98.1	98.9	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	80.9	90.7	92.9	95.6	97.4	98.1	98.9	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	80.9	90.7	92.9	95.6	97.4	98.1	98.9	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	80.9	90.7	93.0	95.6	97.5	98.2	99.0	99.2	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	80.9	90.7	93.0	95.6	97.5	98.2	99.0	99.2	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	81.0	90.8	93.1	95.7	97.6	98.3	99.1	99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	81.0	90.8	93.1	95.7	97.6	98.3	99.1	99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	81.0	90.8	93.1	95.7	97.6	98.3	99.1	99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	81.0	90.8	93.1	95.7	97.6	98.3	99.1	99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1040

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	46.8	52.8	54.5	55.5	57.5	57.9	58.7	59.1	59.1	59.4	59.5	59.5	59.5	59.5	59.5	59.5
≥ 20000	40.5	56.9	59.2	60.3	62.7	63.1	64.0	64.4	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8
≥ 18000	40.6	56.9	59.3	60.4	62.8	63.2	64.1	64.4	64.4	64.8	64.9	64.9	64.9	64.9	64.9	64.9
≥ 16000	40.9	57.3	59.6	60.7	63.1	63.6	64.4	64.8	64.8	65.2	65.3	65.3	65.3	65.3	65.3	65.3
≥ 14000	41.5	57.9	60.2	61.3	63.7	64.2	65.0	65.4	65.4	65.7	65.8	65.8	65.8	65.8	65.8	65.8
≥ 12000	42.7	59.3	61.6	62.7	65.1	65.6	66.4	66.8	66.8	67.1	67.2	67.2	67.2	67.2	67.2	67.2
≥ 10000	54.4	61.0	63.3	64.4	66.9	67.3	68.1	68.5	68.5	68.9	69.0	69.0	69.0	69.0	69.0	69.0
≥ 9000	55.7	62.7	65.3	66.4	68.8	69.3	70.1	70.5	70.5	70.8	70.9	70.9	70.9	70.9	70.9	70.9
≥ 8000	57.8	65.5	68.1	69.3	71.7	72.1	73.0	73.3	73.3	73.7	73.8	73.8	73.8	73.8	73.8	73.8
≥ 7000	60.4	68.2	70.9	72.1	74.5	75.0	75.8	76.2	76.2	76.6	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000	61.4	69.8	72.6	73.8	76.2	76.7	77.5	77.9	77.9	78.2	78.3	78.3	78.3	78.3	78.3	78.3
≥ 5000	63.1	72.0	75.1	76.5	79.0	79.4	80.3	80.6	80.6	81.0	81.1	81.1	81.1	81.1	81.1	81.1
≥ 4500	64.4	73.2	76.3	77.8	80.3	80.7	81.0	81.9	81.9	82.3	82.4	82.4	82.4	82.4	82.4	82.4
≥ 4000	67.6	76.9	80.1	81.8	84.3	84.7	85.6	86.0	86.0	86.4	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3500	68.8	78.6	82.1	83.8	86.3	86.9	87.9	88.2	88.2	88.6	88.7	88.7	88.8	88.8	88.8	88.8
≥ 3000	70.1	80.2	83.9	85.6	88.1	88.8	89.7	90.1	90.1	90.5	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2500	71.8	82.2	86.1	88.0	90.5	91.1	92.2	92.6	92.6	93.0	93.1	93.1	93.1	93.1	93.1	93.1
≥ 2000	72.1	84.6	88.8	90.6	93.3	94.1	95.2	95.6	95.6	95.9	96.0	96.0	96.1	96.1	96.1	96.1
≥ 1800	73.3	84.9	89.2	91.0	93.7	94.4	95.6	95.9	95.9	96.3	96.4	96.4	96.5	96.5	96.5	96.5
≥ 1500	73.6	85.3	89.6	91.6	94.4	95.2	96.3	96.7	96.7	97.0	97.1	97.1	97.2	97.2	97.2	97.2
≥ 1200	74.0	85.7	90.1	92.1	95.0	95.8	96.9	97.3	97.3	97.7	97.8	97.8	97.9	97.9	97.9	97.9
≥ 1000	74.0	85.9	90.3	92.3	95.2	96.1	97.2	97.6	97.6	98.1	98.1	98.1	98.2	98.2	98.2	98.2
≥ 900	74.0	85.9	90.3	92.4	95.3	96.2	97.3	97.9	97.9	98.3	98.4	98.4	98.5	98.5	98.5	98.5
≥ 800	74.0	85.9	90.3	92.4	95.3	96.2	97.3	98.0	98.0	98.4	98.5	98.5	98.6	98.6	98.6	98.6
≥ 700	74.0	85.9	90.4	92.5	95.5	96.4	97.5	98.1	98.2	98.7	98.8	98.8	98.9	98.9	98.9	98.9
≥ 600	74.0	85.9	90.4	92.5	95.5	96.5	97.7	98.3	98.4	99.0	99.1	99.1	99.2	99.2	99.2	99.2
≥ 500	74.0	85.9	90.4	92.7	95.8	96.9	98.1	98.7	98.8	99.4	99.6	99.6	99.7	99.7	99.7	99.7
≥ 400	74.0	85.9	90.4	92.7	95.8	96.9	98.1	98.7	98.8	99.4	99.6	99.6	99.7	99.7	99.7	99.7
≥ 300	74.0	85.9	90.4	92.9	96.0	97.0	98.3	99.0	99.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	74.0	85.9	90.4	92.9	96.0	97.0	98.3	99.0	99.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	74.0	85.9	90.4	92.9	96.0	97.0	98.3	99.0	99.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	74.0	85.9	90.4	92.9	96.0	97.0	98.3	99.0	99.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1000

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAF

CEILING VERSUS VISIBILITY

24201
STATION

FIRST LEWIS WASHINGTON/GRAY AAF
STATION NAME

39.60-70
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥0.75	≥0.5	≥0.25	≥0.16	≥0.1	≥0
NO CEILING	42.7	54.6	57.7	59.8	61.4	61.7	62.5	62.7	62.8	63.2	63.2	63.3	63.4	63.4	63.4	63.5
≥ 20000	44.4	57.1	60.3	62.8	64.7	65.0	65.8	66.0	66.1	66.6	66.6	66.7	66.8	66.8	66.8	66.9
≥ 18000	44.4	57.1	60.3	62.8	64.7	65.0	65.8	66.0	66.1	66.6	66.6	66.7	66.8	66.8	66.8	66.9
≥ 16000	44.5	57.2	60.4	62.9	64.8	65.1	65.9	66.1	66.3	66.7	66.7	66.8	66.9	66.9	66.9	67.0
≥ 14000	44.6	57.4	60.6	63.1	65.0	65.3	66.1	66.4	66.5	66.9	66.9	67.0	67.1	67.1	67.1	67.2
≥ 12000	45.5	58.6	61.9	64.4	66.3	66.6	67.4	67.6	67.7	68.1	68.1	68.2	68.3	68.3	68.3	68.4
≥ 10000	46.4	59.6	62.8	65.3	67.2	67.5	68.3	68.5	68.6	69.1	69.1	69.2	69.3	69.3	69.3	69.4
≥ 9000	47.6	61.3	64.5	67.0	68.9	69.2	70.0	70.2	70.3	70.7	70.7	70.8	70.9	70.9	70.9	71.0
≥ 8000	48.9	63.4	66.8	69.3	71.1	71.5	72.3	72.5	72.6	73.0	73.0	73.1	73.2	73.2	73.2	73.3
≥ 7000	51.1	66.6	70.2	72.7	74.6	74.9	75.7	75.9	76.0	76.5	76.5	76.6	76.7	76.7	76.7	76.8
≥ 6000	52.6	68.6	72.3	74.8	76.7	77.0	77.8	78.0	78.1	78.5	78.5	78.6	78.8	78.8	78.8	78.9
≥ 5000	54.7	71.5	75.2	77.8	79.9	80.2	81.1	81.4	81.5	81.9	81.9	82.0	82.1	82.1	82.1	82.2
≥ 4500	55.5	72.6	76.4	79.0	81.1	81.5	82.4	82.6	82.7	83.1	83.1	83.2	83.3	83.3	83.3	83.4
≥ 4000	56.9	74.8	78.5	81.3	83.4	83.8	84.7	84.9	85.0	85.4	85.4	85.5	85.6	85.6	85.6	85.7
≥ 3500	58.1	76.6	80.8	83.5	85.7	86.0	87.0	87.2	87.3	87.7	87.7	87.8	87.9	87.9	87.9	88.0
≥ 3000	59.9	79.0	83.3	86.0	88.3	88.6	89.6	89.8	89.9	90.3	90.3	90.4	90.5	90.5	90.5	90.6
≥ 2500	60.5	80.1	84.6	87.3	89.6	89.9	90.9	91.1	91.3	91.7	91.7	91.8	91.9	91.9	91.9	92.0
≥ 2000	62.3	82.9	87.4	90.3	92.8	93.3	94.6	94.8	94.9	95.3	95.3	95.4	95.5	95.5	95.5	95.6
≥ 1800	62.7	83.5	88.0	90.9	93.4	94.0	95.2	95.4	95.5	95.9	95.9	96.0	96.1	96.1	96.1	96.2
≥ 1500	63.1	84.3	88.9	91.8	94.3	94.8	96.0	96.4	96.5	96.9	96.9	97.0	97.1	97.1	97.1	97.2
≥ 1200	63.4	84.9	89.5	92.5	95.2	95.7	97.1	97.4	97.5	98.1	98.1	98.2	98.3	98.3	98.3	98.4
≥ 1000	63.5	85.0	89.6	92.6	95.3	95.8	97.2	97.6	97.7	98.3	98.3	98.4	98.5	98.5	98.5	98.6
≥ 900	63.5	85.0	89.6	92.6	95.3	95.8	97.2	97.6	97.7	98.3	98.3	98.4	98.5	98.5	98.5	98.6
≥ 800	63.5	85.0	89.7	92.7	95.4	95.9	97.4	97.8	97.9	98.5	98.5	98.6	98.8	98.8	98.8	98.9
≥ 700	63.5	85.0	89.7	92.7	95.4	95.9	97.4	97.8	97.9	98.5	98.5	98.6	98.8	98.8	98.8	98.9
≥ 600	63.5	85.0	89.9	92.9	95.7	96.3	97.7	98.1	98.2	98.9	98.9	99.0	99.1	99.1	99.2	99.3
≥ 500	63.5	85.0	90.1	93.2	96.0	96.6	98.0	98.4	98.5	99.2	99.3	99.4	99.5	99.5	99.6	99.7
≥ 400	63.5	85.0	90.1	93.2	96.0	96.6	98.0	98.4	98.5	99.2	99.3	99.4	99.5	99.5	99.6	99.7
≥ 300	63.5	85.0	90.1	93.2	96.0	96.6	98.1	98.5	98.6	99.3	99.4	99.5	99.6	99.6	99.7	99.8
≥ 200	63.5	85.0	90.1	93.2	96.0	96.6	98.1	98.5	98.6	99.4	99.5	99.6	99.7	99.7	99.8	99.9
≥ 100	63.5	85.0	90.1	93.2	96.0	96.6	98.1	98.5	98.6	99.4	99.5	99.6	99.7	99.7	99.8	99.9
0	63.5	85.0	90.1	93.2	96.0	96.6	98.1	98.5	98.6	99.4	99.5	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC

FORM
JUL 64

0-14.5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-68
YEARS

CT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	16.4	26.2	30.4	32.6	35.7	36.2	37.2	37.8	38.4	39.5	40.4	40.7	41.5	42.0	43.0	44.5
≥ 20000	17.5	28.5	32.8	35.0	38.4	39.0	40.0	40.6	41.2	42.3	43.2	43.8	44.3	44.9	45.9	47.4
≥ 18000	17.5	28.5	32.8	35.0	38.4	39.0	40.0	40.6	41.2	42.3	43.2	43.5	44.3	44.9	45.9	47.4
≥ 16000	17.6	28.6	32.9	35.2	38.5	39.1	40.1	40.7	41.3	42.4	43.3	43.6	44.4	45.0	46.0	47.5
≥ 14000	17.9	28.8	33.3	35.5	39.0	39.5	40.5	41.2	41.7	42.9	43.8	44.1	44.9	45.4	46.4	48.0
≥ 12000	18.4	30.0	34.7	36.9	40.4	41.2	42.5	43.2	43.8	44.9	45.8	46.1	46.9	47.4	48.4	50.1
≥ 10000	19.8	32.5	37.3	39.6	43.2	44.0	45.3	46.0	46.5	47.7	48.5	48.9	49.7	50.2	51.2	52.9
≥ 9000	20.3	33.1	38.2	40.5	44.2	45.0	46.4	47.1	47.7	48.8	49.7	50.0	50.8	51.3	52.3	54.0
≥ 8000	22.8	36.9	42.4	44.9	48.5	49.6	51.1	51.8	52.3	53.5	54.4	54.7	55.5	56.0	57.0	58.7
≥ 7000	24.2	40.3	46.0	48.4	52.2	53.3	55.1	55.8	56.4	57.5	58.4	58.7	59.5	60.0	61.0	62.7
≥ 6000	26.5	43.6	49.4	51.9	55.7	56.9	58.7	59.4	59.9	61.0	61.9	62.3	63.1	63.6	64.6	66.3
≥ 5000	28.7	47.8	53.7	56.1	59.9	61.4	63.2	63.8	64.4	65.5	66.4	66.7	67.5	68.1	69.1	70.8
≥ 4500	29.4	49.0	55.1	57.6	61.4	62.8	64.6	65.3	65.8	67.0	67.9	68.2	69.0	69.5	70.5	72.2
≥ 4000	30.7	51.5	57.7	60.2	64.0	65.4	67.2	67.9	68.4	69.5	70.4	70.8	71.5	72.1	73.1	74.8
≥ 3500	32.6	54.4	61.0	63.5	67.3	68.8	70.5	71.2	71.8	72.9	73.8	74.1	74.9	75.4	76.5	78.1
≥ 3000	35.0	57.7	64.5	67.2	71.1	72.5	74.3	75.0	75.6	76.7	77.6	77.9	78.7	79.2	80.2	81.9
≥ 2500	37.3	60.8	67.9	70.5	74.4	75.9	77.8	78.6	79.1	80.2	81.1	81.5	82.3	82.8	83.8	85.5
≥ 2000	39.1	63.4	70.5	73.3	77.3	78.8	80.8	81.6	82.1	83.3	84.2	84.5	85.3	85.8	86.8	88.5
≥ 1800	39.3	63.6	70.8	73.7	77.7	79.1	81.1	81.9	82.5	83.6	84.5	84.8	85.6	86.2	87.2	88.8
≥ 1500	40.0	64.8	72.0	74.9	78.9	80.4	82.4	83.1	83.7	84.8	85.7	86.0	86.8	87.4	88.4	90.1
≥ 1200	40.6	65.8	73.2	76.5	80.6	82.0	84.2	85.0	85.6	86.7	87.6	87.9	88.7	89.3	90.3	92.0
≥ 1000	40.7	66.1	73.8	77.0	81.1	82.6	84.8	85.7	86.3	87.5	88.4	88.7	89.5	90.1	91.1	92.7
≥ 900	40.7	66.1	73.8	77.1	81.3	82.8	85.0	85.9	86.5	87.7	88.6	89.0	89.7	90.3	91.3	93.0
≥ 800	41.0	66.4	74.2	77.9	82.0	83.6	85.8	86.8	87.4	88.6	89.5	89.8	90.6	91.2	92.2	93.9
≥ 700	41.0	66.5	74.3	78.0	82.1	83.7	85.9	86.9	87.6	88.8	89.7	90.1	90.8	91.4	92.4	94.1
≥ 600	41.1	66.7	74.8	78.6	82.7	84.3	86.5	87.5	88.2	89.5	90.4	90.7	91.5	92.1	93.1	94.8
≥ 500	41.1	66.7	74.9	78.7	82.8	84.4	86.9	87.9	88.6	90.0	91.1	91.4	92.2	92.7	93.8	95.4
≥ 400	41.3	67.0	75.1	78.9	83.0	84.6	87.4	88.4	89.1	90.4	91.5	91.9	92.6	93.2	94.2	95.9
≥ 300	41.3	67.0	75.1	78.9	83.0	84.7	87.6	88.7	89.4	90.8	92.0	92.3	93.2	93.8	94.9	96.5
≥ 200	41.3	67.0	75.1	78.9	83.0	84.7	87.7	89.2	90.1	91.5	92.9	93.3	94.3	94.9	96.0	97.7
≥ 100	41.3	67.0	75.1	78.9	83.0	84.7	87.7	89.3	90.3	91.7	93.2	93.6	94.8	95.6	96.8	99.1
≥ 0	41.3	67.0	75.1	78.9	83.0	84.7	87.7	89.3	90.3	91.7	93.2	93.6	94.8	95.6	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 896

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

CT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0400-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	11.2	18.2	22.6	25.0	26.7	27.3	29.7	30.6	31.0	31.5	32.3	32.7	34.1	34.6	35.5	37.4
≥ 20000	13.1	20.7	25.3	27.9	29.6	30.4	32.9	33.9	34.3	34.7	35.7	36.1	37.6	38.2	39.1	41.0
≥ 18000	13.1	20.7	25.3	27.9	29.6	30.4	32.9	33.9	34.3	34.7	35.7	36.1	37.6	38.2	39.1	41.0
≥ 16000	13.1	20.7	25.3	27.9	29.6	30.4	32.9	33.9	34.3	34.7	35.7	36.1	37.6	38.2	39.1	41.0
≥ 14000	13.3	20.9	25.6	28.1	29.8	30.6	33.2	34.1	34.5	35.0	35.9	36.3	37.8	38.4	39.3	41.2
≥ 12000	14.0	22.0	26.6	29.4	31.0	31.9	34.4	35.5	35.9	36.4	37.4	37.9	39.3	39.9	40.8	42.8
≥ 10000	15.4	24.9	29.6	32.4	34.1	35.0	37.5	38.5	39.0	39.5	40.4	40.9	42.3	43.0	43.8	45.8
≥ 9000	16.2	26.2	30.8	33.7	35.4	36.2	38.8	39.8	40.2	40.8	41.7	42.1	43.6	44.2	45.1	47.1
≥ 8000	18.2	29.4	34.3	37.4	39.1	39.9	42.4	43.7	44.1	44.7	45.6	46.0	47.5	48.2	49.0	51.0
≥ 7000	21.2	32.8	37.8	41.1	42.9	43.7	46.3	47.5	47.9	48.5	49.4	49.9	51.3	52.0	52.8	54.8
≥ 6000	22.2	35.0	40.2	43.6	45.4	46.3	48.8	50.3	50.7	51.2	52.2	52.6	54.1	54.7	55.5	57.6
≥ 5000	24.0	38.0	43.9	47.3	49.4	50.3	52.8	54.3	54.7	55.2	56.2	56.6	58.1	58.7	59.6	61.6
≥ 4500	25.1	40.2	46.5	49.9	52.2	53.0	55.5	57.0	57.4	58.0	58.9	59.3	60.8	61.5	62.3	64.3
≥ 4000	27.7	44.0	50.4	53.9	56.1	56.9	59.5	60.9	61.4	61.9	62.8	63.3	64.7	65.4	66.2	68.2
≥ 3500	30.7	47.8	55.1	58.6	60.8	61.7	64.2	65.7	66.1	66.6	67.6	68.0	69.5	70.1	71.0	73.0
≥ 3000	32.9	51.2	58.5	62.1	64.4	65.3	67.8	69.3	69.7	70.2	71.2	71.6	73.1	73.7	74.6	76.6
≥ 2500	34.1	53.3	60.8	64.6	66.9	67.8	70.6	72.1	72.5	73.1	74.0	74.4	75.9	76.6	77.4	79.4
≥ 2000	35.5	56.0	63.7	67.6	70.1	71.0	73.9	75.4	75.8	76.3	77.3	77.7	79.2	79.8	80.7	82.7
≥ 1800	35.8	56.5	64.2	68.1	70.9	71.7	74.9	76.3	76.8	77.3	78.2	78.7	80.1	80.8	81.6	83.6
≥ 1500	36.3	57.3	65.0	69.0	71.7	72.5	75.9	77.4	77.8	78.4	79.3	79.7	81.2	81.8	82.7	84.7
≥ 1200	37.1	58.4	66.5	70.4	73.2	74.0	77.4	79.0	79.5	80.0	81.0	81.4	82.9	83.5	84.4	86.4
≥ 1000	37.4	58.9	67.2	71.1	73.8	74.7	78.0	79.6	80.1	80.7	81.6	82.0	83.5	84.2	85.0	87.0
≥ 900	37.4	59.2	67.5	71.6	74.3	75.2	78.6	80.1	80.7	81.2	82.2	82.6	84.1	84.7	85.5	87.5
≥ 800	37.5	59.5	67.7	72.1	74.9	75.7	79.3	81.0	81.5	82.0	83.0	83.4	84.9	85.5	86.4	88.4
≥ 700	37.5	59.5	67.7	72.1	75.0	75.8	79.5	81.2	81.7	82.3	83.2	83.6	85.1	85.7	86.6	88.6
≥ 600	37.5	59.5	67.8	72.2	75.6	76.6	80.5	82.4	82.9	83.5	84.5	84.9	86.4	87.0	87.9	89.9
≥ 500	37.5	59.5	67.9	72.3	75.8	76.8	80.8	82.7	83.2	83.8	84.8	85.2	86.7	87.3	88.2	90.2
≥ 400	37.5	59.5	67.9	72.3	75.8	76.8	80.9	82.9	83.4	84.2	85.1	85.5	87.0	87.6	88.5	90.5
≥ 300	37.6	59.7	68.1	72.5	76.0	77.2	81.4	83.4	84.2	84.9	86.0	86.4	88.0	88.6	89.5	91.7
≥ 200	37.7	59.9	68.3	72.9	76.3	77.5	81.7	83.8	84.7	85.6	87.1	87.5	89.4	90.3	91.4	93.7
≥ 100	37.7	59.9	68.3	72.9	76.3	77.5	81.7	83.8	84.7	86.0	87.5	88.1	90.1	91.0	92.5	96.5
0	37.7	59.9	68.3	72.9	76.3	77.5	81.7	83.8	84.7	86.1	87.8	88.3	90.3	91.3	93.0	100.0

TOTAL NUMBER OF OBSERVATIONS 247

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-60-70
YEARS

CT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	12.3	14.7	16.0	16.6	17.6	17.9	18.5	19.4	19.9	20.3	20.7	21.0	21.3	21.9	22.7	23.5
≥ 20000	16.0	19.1	20.5	21.9	22.8	23.3	24.2	25.1	25.6	26.1	26.9	27.2	28.0	28.6	29.4	30.6
≥ 18000	16.1	19.2	20.6	22.0	22.8	23.4	24.3	25.2	25.7	26.2	27.0	27.3	28.0	28.7	29.5	30.6
≥ 16000	16.4	19.4	20.9	22.2	23.2	23.7	24.6	25.5	26.1	26.5	27.3	27.7	28.4	29.1	29.9	31.1
≥ 14000	17.2	20.3	21.7	23.0	24.0	24.6	25.4	26.3	26.9	27.3	28.1	28.6	29.3	30.0	30.8	32.0
≥ 12000	18.5	22.0	23.5	24.8	25.8	26.3	27.2	28.2	28.9	29.5	30.3	30.7	31.5	32.2	33.0	34.1
≥ 10000	20.1	24.0	25.5	27.1	28.0	28.7	29.6	30.6	31.2	31.8	32.6	33.1	33.8	34.5	35.3	36.5
≥ 9000	20.9	24.9	26.5	28.2	29.2	29.8	30.7	31.7	32.3	33.0	33.8	34.3	34.9	35.7	36.2	37.6
≥ 8000	23.9	28.4	30.0	31.8	33.0	33.6	34.5	35.6	36.2	37.0	37.9	38.4	39.2	39.9	40.7	41.8
≥ 7000	25.9	31.2	32.9	34.9	36.1	36.8	37.7	38.9	39.5	40.3	41.2	41.7	42.5	43.2	44.0	45.2
≥ 6000	27.4	33.2	34.9	36.9	38.3	39.0	40.0	41.1	41.8	42.6	43.5	43.9	44.7	45.4	46.2	47.4
≥ 5000	29.4	36.1	38.2	40.4	41.8	42.5	43.5	44.6	45.3	46.1	47.1	47.5	48.4	49.1	50.0	51.2
≥ 4500	30.9	38.8	41.2	43.6	45.0	45.7	46.7	47.8	48.6	49.4	50.4	50.8	51.6	52.3	53.2	54.4
≥ 4000	35.0	44.0	46.9	49.4	50.7	51.5	52.5	53.7	54.4	55.2	56.2	56.7	57.6	58.4	59.3	60.4
≥ 3500	37.0	46.8	50.0	52.5	54.1	54.9	56.0	57.2	57.9	58.9	59.9	60.4	61.3	62.1	63.0	64.2
≥ 3000	38.4	49.2	52.7	55.4	57.0	57.8	59.0	60.1	60.8	61.9	62.9	63.4	64.3	65.1	66.0	67.2
≥ 2500	41.3	52.9	56.6	59.5	61.4	62.2	63.4	64.6	65.3	66.4	67.4	68.0	68.9	69.7	70.6	72.0
≥ 2000	43.5	56.5	60.5	63.4	65.7	66.5	68.0	69.2	69.9	71.1	72.0	72.7	73.6	74.4	75.3	76.6
≥ 1800	43.8	56.8	60.8	63.8	66.1	66.9	68.5	69.6	70.3	71.5	72.5	73.1	74.0	74.8	75.7	77.1
≥ 1500	44.7	58.3	62.5	65.4	67.8	68.6	70.4	71.7	72.4	73.6	74.6	75.2	76.1	76.9	77.8	79.1
≥ 1200	45.4	59.1	63.4	66.5	68.9	69.7	71.5	72.8	73.5	74.6	75.6	76.3	77.2	78.0	78.9	80.3
≥ 1000	45.7	59.4	63.6	66.8	69.4	70.3	72.0	73.3	74.1	75.3	76.3	76.9	77.9	78.7	79.7	81.0
≥ 900	45.7	59.5	63.8	67.0	69.5	70.4	72.2	73.5	74.3	75.4	76.4	77.1	78.0	78.9	79.8	81.2
≥ 800	45.9	59.7	64.2	67.6	70.3	71.1	73.0	74.4	75.2	76.3	77.3	78.0	79.0	79.8	80.8	82.2
≥ 700	45.9	59.7	64.2	67.7	70.9	71.8	73.7	75.1	75.9	77.2	78.1	78.9	79.8	80.6	81.6	83.0
≥ 600	46.0	59.9	64.4	67.8	71.1	72.0	74.0	75.4	76.2	77.4	78.4	79.2	80.2	81.0	82.0	83.3
≥ 500	46.1	59.9	64.6	68.0	71.3	72.3	74.4	76.0	76.9	78.2	79.3	80.1	81.2	82.0	83.1	84.4
≥ 400	46.1	59.9	64.6	68.3	71.8	72.9	75.1	77.0	77.9	79.4	80.7	81.5	82.8	83.6	84.7	86.1
≥ 300	46.1	59.9	64.6	68.3	71.8	72.9	75.3	77.3	78.2	80.3	81.9	82.7	84.2	85.1	86.3	88.0
≥ 200	46.1	59.9	64.6	68.3	71.8	72.9	75.3	77.3	78.2	80.4	82.3	83.3	85.8	87.0	89.2	95.6
≥ 100	46.1	59.9	64.6	68.3	71.8	72.9	75.3	77.3	78.2	80.4	82.3	83.3	85.9	87.2	89.4	100.0
≥ 0	46.1	59.9	64.6	68.3	71.8	72.9	75.3	77.3	78.2	80.4	82.3	83.3	85.9	87.2	89.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

CT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	16.0	18.5	19.7	21.1	22.2	22.7	23.2	23.5	23.7	23.7	23.8	23.8	24.0	24.0	24.0	24.1
≥ 20000	22.3	25.7	27.2	28.9	30.1	30.8	31.7	32.1	32.3	32.3	32.6	32.7	32.9	32.9	32.9	33.1
≥ 18000	22.3	25.8	27.3	29.0	30.3	31.0	31.9	32.3	32.4	32.5	32.8	32.9	33.1	33.1	33.1	33.2
≥ 16000	22.5	26.0	27.5	29.2	30.5	31.2	32.1	32.4	32.6	32.7	33.0	33.1	33.2	33.2	33.2	33.4
≥ 14000	24.2	28.0	29.5	31.2	32.4	33.2	34.2	34.7	34.9	34.9	35.3	35.4	35.6	35.6	35.6	35.8
≥ 12000	25.9	30.1	31.9	33.6	34.9	35.6	36.6	37.1	37.3	37.4	37.7	37.9	38.0	38.0	38.0	38.2
≥ 10000	28.9	33.2	34.9	36.7	38.0	38.7	39.8	40.2	40.4	40.5	40.9	40.9	41.1	41.1	41.1	41.3
≥ 9000	30.5	34.8	36.6	38.6	39.9	40.6	41.7	42.1	42.3	42.4	42.7	42.7	43.0	43.0	43.0	43.2
≥ 8000	34.1	38.7	40.7	42.8	44.2	45.0	46.1	46.5	46.7	46.9	47.2	47.3	47.5	47.5	47.5	47.7
≥ 7000	37.0	41.8	43.9	46.1	47.4	48.2	49.3	49.7	49.9	50.1	50.4	50.5	50.7	50.7	50.7	50.9
≥ 6000	38.1	43.1	45.2	47.6	49.2	50.1	51.2	51.7	51.9	52.2	52.5	52.6	52.8	52.8	52.8	53.0
≥ 5000	40.4	46.5	48.7	51.2	52.9	53.8	54.8	55.4	55.6	55.7	56.1	56.4	56.5	56.5	56.5	56.7
≥ 4500	41.5	47.7	50.3	52.8	54.7	55.6	56.6	57.2	57.4	57.7	58.1	58.2	58.3	58.3	58.3	58.5
≥ 4000	44.1	51.0	53.4	56.1	58.1	59.0	60.0	60.6	60.9	61.2	61.6	61.6	61.8	61.8	61.8	62.0
≥ 3500	47.1	54.3	56.8	59.5	61.5	62.5	63.5	64.1	64.4	64.7	65.1	65.1	65.3	65.3	65.3	65.5
≥ 3000	48.9	56.7	59.6	62.5	64.6	65.8	66.9	67.5	67.8	68.1	68.5	68.5	68.7	68.7	68.7	68.9
≥ 2500	51.3	60.0	63.1	66.5	68.6	69.8	71.1	71.7	72.0	72.3	72.7	72.8	72.9	72.9	72.9	73.1
≥ 2000	54.0	63.7	66.9	70.7	72.9	74.1	75.5	76.1	76.4	76.8	77.2	77.2	77.4	77.4	77.4	77.7
≥ 1800	54.7	64.7	67.9	71.7	74.0	75.2	76.6	77.2	77.5	77.9	78.2	78.3	78.5	78.5	78.5	78.7
≥ 1500	55.5	65.8	69.1	72.6	75.6	76.8	78.2	78.9	79.2	79.6	79.9	80.0	80.2	80.2	80.2	80.4
≥ 1200	56.0	66.7	70.2	74.1	77.0	78.1	79.6	80.3	80.6	81.1	81.5	81.6	81.8	81.8	81.8	82.0
≥ 1000	56.3	67.2	70.9	74.9	78.0	79.1	80.6	81.5	81.8	82.3	82.7	82.8	83.0	83.0	83.0	83.2
≥ 900	56.3	67.3	71.1	75.4	78.5	79.7	81.3	82.1	82.4	82.9	83.3	83.4	83.6	83.6	83.6	83.8
≥ 800	56.4	67.7	71.4	75.9	79.1	80.6	82.3	83.6	84.0	84.6	85.0	85.1	85.3	85.3	85.3	85.5
≥ 700	56.4	68.0	71.9	76.5	80.0	81.5	83.0	84.7	85.1	85.8	86.2	86.3	86.5	86.5	86.5	86.6
≥ 600	56.4	68.2	72.0	76.7	80.6	82.2	84.9	86.4	86.9	87.7	88.3	88.4	88.5	88.5	88.5	88.7
≥ 500	56.4	68.3	72.1	77.0	80.8	82.7	85.7	87.6	88.2	89.3	89.9	90.0	90.2	90.2	90.2	90.4
≥ 400	56.4	68.4	72.2	77.1	81.0	82.9	86.0	88.1	88.8	90.2	90.9	91.1	91.6	91.6	91.6	91.7
≥ 300	56.4	68.4	72.2	77.1	81.0	82.9	86.0	88.3	89.1	90.5	91.8	92.1	92.7	92.8	92.9	93.4
≥ 200	56.4	68.4	72.2	77.1	81.0	82.9	86.0	88.3	89.1	90.6	91.9	92.7	93.5	94.0	94.4	94.3
≥ 100	56.4	68.4	72.2	77.1	81.0	82.9	86.0	88.3	89.1	90.6	91.9	92.7	93.7	94.3	94.7	94.4
≥ 0	56.4	68.4	72.2	77.1	81.0	82.9	86.0	88.3	89.1	90.6	91.9	92.7	93.7	94.3	94.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24211
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

CT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	20.6	24.5	25.7	27.4	28.6	30.0	30.4	30.7	30.8	30.8	30.8	30.9	30.9	30.9	30.9	30.9
≥ 20000	27.9	32.6	34.3	36.6	38.0	39.6	40.1	40.7	40.8	40.8	40.8	40.9	40.9	40.9	40.9	40.9
≥ 18000	26.6	32.7	34.4	36.7	38.1	39.7	40.2	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 16000	28.5	33.2	34.9	37.3	38.6	40.2	40.8	41.3	41.4	41.4	41.4	41.5	41.5	41.5	41.5	41.5
≥ 14000	30.0	34.8	36.5	38.9	40.2	41.8	42.4	42.9	43.0	43.0	43.0	43.1	43.1	43.1	43.1	43.1
≥ 12000	32.2	37.7	39.4	42.0	43.5	45.1	45.6	46.1	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3
≥ 10000	34.8	40.2	41.9	44.5	46.0	47.6	48.1	48.7	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.8
≥ 9000	36.5	41.9	43.6	46.2	47.7	49.3	49.8	50.4	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5
≥ 8000	39.5	45.7	47.4	50.0	51.4	53.0	53.7	54.2	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4
≥ 7000	41.6	48.4	50.1	52.7	54.1	55.7	56.5	57.0	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2
≥ 6000	42.2	49.2	50.9	53.9	55.3	56.9	57.6	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3
≥ 5000	44.4	52.6	54.9	58.1	59.6	61.2	61.9	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6
≥ 4500	45.9	54.7	57.1	60.2	61.7	63.4	64.1	64.6	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8
≥ 4000	49.5	58.5	61.3	64.5	66.0	67.7	68.4	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1
≥ 3500	51.3	60.6	63.9	67.3	68.9	70.5	71.2	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3000	54.6	65.0	68.4	72.0	73.6	75.3	76.2	76.8	76.9	76.9	77.0	77.1	77.1	77.1	77.1	77.1
≥ 2500	59.3	71.0	75.2	79.0	80.6	82.3	83.3	84.1	84.1	84.1	84.2	84.3	84.3	84.3	84.3	84.3
≥ 2000	63.2	75.7	80.3	84.4	86.1	87.9	89.0	89.7	89.8	89.8	89.9	90.0	90.0	90.0	90.0	90.0
≥ 1800	63.5	76.3	80.8	85.0	86.8	88.6	89.7	90.4	90.5	90.5	90.6	90.7	90.7	90.7	90.7	90.7
≥ 1500	64.9	77.8	82.4	86.7	88.7	90.5	91.8	92.7	92.7	92.8	92.9	93.0	93.0	93.0	93.0	93.0
≥ 1200	65.2	78.7	83.5	87.9	89.9	91.7	92.9	94.1	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5
≥ 1000	65.2	78.8	83.8	88.4	90.4	92.2	93.5	94.7	94.9	95.0	95.1	95.2	95.2	95.2	95.2	95.2
≥ 900	65.2	78.9	84.0	88.7	90.9	92.8	94.2	95.3	95.5	95.6	95.7	95.8	95.8	95.8	95.8	95.8
≥ 800	65.2	78.9	84.1	88.9	91.6	93.5	95.3	96.5	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0
≥ 700	65.4	79.1	84.3	89.2	91.9	94.0	95.7	97.0	97.3	97.4	97.5	97.6	97.6	97.6	97.6	97.6
≥ 600	65.4	79.1	84.3	89.2	92.0	94.1	96.0	97.4	97.7	97.8	97.9	98.0	98.0	98.0	98.0	98.0
≥ 500	65.4	79.1	84.3	89.2	92.0	94.2	96.2	97.9	98.3	98.4	98.8	98.9	98.9	98.9	98.9	98.9
≥ 400	65.4	79.1	84.3	89.2	92.0	94.2	96.2	98.0	98.5	98.9	99.3	99.4	99.4	99.4	99.4	99.4
≥ 300	65.4	79.1	84.3	89.2	92.0	94.2	96.2	98.1	98.6	99.1	99.6	99.7	99.8	99.8	99.8	99.8
≥ 200	65.4	79.1	84.3	89.2	92.0	94.2	96.2	98.1	98.6	99.1	99.6	99.7	99.8	99.8	99.9	99.9
≥ 100	65.4	79.1	84.3	89.2	92.0	94.2	96.2	98.1	98.6	99.1	99.6	99.7	99.8	99.8	99.9	100.0
≥ 0	65.4	79.1	84.3	89.2	92.0	94.2	96.2	98.1	98.6	99.1	99.6	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

CT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.4	≥.3	≥.25	≥.2
NO CEILING	29.1	31.9	33.1	34.3	35.5	35.6	35.8	36.0	36.0	36.1	36.2	36.2	36.2	36.2	36.2	36.2
≥ 20000	30.2	42.7	44.2	46.1	47.6	47.8	48.0	48.2	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4
≥ 18000	28.3	42.8	44.3	46.2	47.7	47.9	48.1	48.3	48.3	48.4	48.5	48.5	48.5	48.5	48.5	48.5
≥ 16000	18.8	43.5	45.0	46.9	48.5	48.7	48.9	49.1	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.3
≥ 14000	41.3	46.0	47.5	49.4	51.0	51.2	51.4	51.6	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8
≥ 12000	42.4	47.4	48.9	50.8	52.4	52.6	52.7	52.9	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	43.2	50.3	51.9	53.9	55.5	55.7	55.9	56.1	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3
≥ 9000	46.3	51.5	53.2	55.2	56.8	57.0	57.2	57.4	57.4	57.6	57.7	57.7	57.7	57.7	57.7	57.7
≥ 8000	49.7	55.3	57.1	59.1	60.7	60.9	61.2	61.3	61.3	61.5	61.6	61.6	61.6	61.6	61.6	61.6
≥ 7000	55.2	58.2	60.2	62.4	64.1	64.4	64.8	64.9	64.9	65.1	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000	55.4	59.6	61.7	63.9	65.8	66.1	66.5	66.6	66.6	66.8	66.9	66.9	66.9	66.9	66.9	66.9
≥ 5000	55.8	63.0	65.3	67.8	69.9	70.3	70.7	70.9	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1
≥ 4500	57.6	65.5	67.8	70.4	72.6	73.0	73.4	73.5	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8
≥ 4000	59.8	69.2	71.7	74.3	76.9	77.4	77.8	78.0	78.0	78.2	78.3	78.3	78.3	78.3	78.3	78.3
≥ 3500	63.1	72.0	74.6	77.5	80.0	80.5	81.1	81.3	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5
≥ 3000	66.0	75.7	78.8	81.9	84.5	85.1	85.7	85.9	85.9	86.1	86.2	86.2	86.2	86.2	86.2	86.2
≥ 2500	68.7	79.0	82.3	85.4	88.5	89.1	89.8	90.0	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	70.7	82.2	85.9	89.1	92.0	92.8	93.5	93.7	93.7	94.0	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1800	71.0	83.0	87.0	90.2	93.3	94.2	95.0	95.2	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500	71.3	83.3	87.4	90.9	94.2	95.1	95.9	96.1	96.1	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	71.4	83.6	87.7	91.6	94.8	95.7	96.5	96.8	96.8	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	71.5	83.7	87.8	91.7	95.4	96.3	97.1	97.4	97.4	97.8	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	71.5	83.8	87.9	91.7	95.6	96.5	97.3	97.8	97.8	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	71.5	83.9	88.0	91.8	95.7	96.6	97.8	98.4	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	71.5	83.9	88.1	91.9	95.8	96.8	97.9	98.7	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	71.5	84.1	88.3	92.1	96.0	97.0	98.1	98.8	98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	71.5	84.1	88.3	92.1	96.0	97.0	98.4	99.1	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	71.5	84.1	88.3	92.1	96.0	97.0	98.4	99.1	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	71.5	84.1	88.3	92.1	96.0	97.0	98.4	99.1	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	71.5	84.1	88.3	92.1	96.0	97.0	98.4	99.2	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	71.5	84.1	88.3	92.1	96.0	97.0	98.4	99.2	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	71.5	84.1	88.3	92.1	96.0	97.0	98.4	99.2	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 111

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FHPT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39.60-70
YEARS

CT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	31.4	37.6	38.5	39.4	40.7	41.3	42.0	42.7	42.8	43.3	43.6	43.7	43.9	43.9	44.0	44.0
≥ 20000	30.7	44.7	46.2	47.3	48.7	49.3	50.0	50.7	50.8	51.3	51.6	51.7	51.9	51.9	52.0	52.0
≥ 18000	36.7	44.8	46.3	47.5	48.8	49.5	50.2	50.9	51.0	51.4	51.8	51.9	52.1	52.1	52.2	52.2
≥ 16000	36.8	45.0	46.5	47.8	49.2	49.8	50.5	51.3	51.3	51.6	52.2	52.2	52.4	52.4	52.5	52.5
≥ 14000	38.2	46.4	47.9	49.3	50.6	51.3	52.0	52.7	52.8	53.2	53.6	53.7	53.9	53.9	53.9	53.9
≥ 12000	39.3	47.9	49.7	51.2	52.5	53.1	53.9	54.6	54.7	55.1	55.5	55.6	55.7	55.7	55.8	55.8
≥ 10000	40.6	49.6	51.6	53.0	54.4	55.0	55.9	56.6	56.7	57.2	57.5	57.6	57.8	57.8	57.9	57.9
≥ 9000	41.9	51.3	53.5	54.9	56.3	56.9	57.8	58.5	58.7	59.1	59.5	59.6	59.8	59.8	59.9	59.9
≥ 8000	44.9	55.2	57.4	59.2	60.7	61.3	62.2	62.9	63.1	63.5	63.9	64.2	64.2	64.2	64.2	64.2
≥ 7000	47.4	58.3	60.8	62.9	64.3	65.0	65.9	66.6	66.8	67.2	67.6	67.7	67.8	67.8	67.9	67.9
≥ 6000	49.1	60.7	63.3	65.3	66.9	67.6	68.5	69.2	69.4	69.8	70.2	70.3	70.4	70.4	70.5	70.5
≥ 5000	51.8	64.0	66.6	68.7	70.4	71.1	72.0	72.7	72.8	73.3	73.7	73.7	73.9	73.9	74.0	74.0
≥ 4500	54.1	67.0	69.9	72.0	73.7	74.4	75.3	76.0	76.2	76.6	77.0	77.1	77.2	77.2	77.3	77.3
≥ 4000	57.6	71.3	74.3	76.6	78.3	78.9	80.0	80.7	81.0	81.5	81.8	81.9	82.1	82.1	82.2	82.2
≥ 3500	59.1	73.8	77.0	79.4	81.1	81.7	82.8	83.5	83.8	84.2	84.6	84.7	84.9	84.9	84.9	84.9
≥ 3000	61.0	76.5	80.2	82.8	84.6	85.2	86.3	87.0	87.3	87.7	88.1	88.2	88.4	88.4	88.4	88.4
≥ 2500	63.0	79.6	83.7	86.6	88.6	89.2	90.4	91.3	91.6	92.0	92.4	92.5	92.7	92.7	92.7	92.7
≥ 2000	63.7	80.6	84.9	88.1	90.3	91.0	92.2	93.2	93.5	94.0	94.4	94.4	94.6	94.6	94.7	94.7
≥ 1800	64.2	81.3	85.6	88.8	91.2	92.0	93.2	94.2	94.5	95.0	95.3	95.4	95.6	95.6	95.7	95.7
≥ 1500	64.6	82.2	86.5	89.8	92.4	93.3	94.5	95.5	95.9	96.3	96.7	96.8	97.0	97.0	97.0	97.0
≥ 1200	64.7	82.3	86.6	90.0	92.6	93.5	94.9	96.0	96.3	96.8	97.1	97.2	97.4	97.4	97.5	97.5
≥ 1000	64.9	82.5	86.8	90.2	93.2	94.1	95.5	96.7	97.0	97.5	97.8	97.9	98.1	98.1	98.2	98.2
≥ 900	64.9	82.5	87.0	90.4	93.5	94.4	95.9	97.0	97.4	97.8	98.2	98.3	98.5	98.5	98.6	98.6
≥ 800	64.9	82.5	87.0	90.4	93.5	94.4	96.0	97.1	97.5	97.9	98.4	98.5	98.7	98.7	98.7	98.7
≥ 700	64.9	82.5	87.1	90.5	93.6	94.6	96.2	97.5	97.8	98.3	98.7	98.8	99.0	99.0	99.1	99.1
≥ 600	64.9	82.5	87.1	90.5	93.6	94.6	96.2	97.5	97.8	98.3	98.7	98.8	99.0	99.0	99.1	99.1
≥ 500	64.9	82.6	87.2	90.6	93.7	94.7	96.3	97.6	97.9	98.4	99.0	99.1	99.3	99.3	99.4	99.4
≥ 400	64.9	82.6	87.2	90.6	93.8	94.8	96.4	97.8	98.4	98.8	99.5	99.6	99.7	99.7	99.8	99.8
≥ 300	64.9	82.6	87.2	90.6	93.8	94.8	96.4	97.8	98.5	98.9	99.6	99.6	99.8	99.8	99.9	99.9
≥ 200	64.9	82.6	87.2	90.6	93.8	94.8	96.4	97.8	98.6	99.0	99.6	99.6	99.9	99.9	100.0	100.0
≥ 100	64.9	82.6	87.2	90.6	93.8	94.8	96.4	97.8	98.6	99.0	99.6	99.6	99.9	99.9	100.0	100.0
≥ 0	64.9	82.6	87.2	90.6	93.8	94.8	96.4	97.8	98.6	99.0	99.6	99.6	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1116

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

CT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	27.0	37.7	39.5	40.9	42.6	42.7	43.5	44.2	44.7	45.5	46.1	46.7	46.9	47.2	47.4	48.0
≥ 20000	30.4	42.2	45.0	46.1	47.8	47.9	48.7	49.4	49.9	50.8	51.4	51.5	52.2	52.5	52.7	53.3
≥ 18000	30.4	42.3	45.1	46.3	48.0	48.1	48.9	49.6	50.0	51.0	51.6	51.7	52.4	52.7	52.9	53.4
≥ 16000	30.4	42.3	45.1	46.3	48.0	48.1	48.9	49.6	50.0	51.0	51.6	51.7	52.4	52.7	52.9	53.5
≥ 14000	30.9	42.9	45.9	47.1	48.8	48.9	49.7	50.3	50.8	51.8	52.4	52.5	53.2	53.5	53.7	54.3
≥ 12000	31.9	44.6	47.9	49.5	51.1	51.2	52.3	53.0	53.5	54.5	55.1	55.2	55.9	56.2	56.4	57.0
≥ 10000	33.0	46.2	49.6	51.2	52.9	53.0	54.1	54.8	55.3	56.4	57.0	57.1	57.8	58.1	58.3	58.9
≥ 9000	33.7	47.4	50.7	52.7	54.4	54.5	55.0	56.4	56.9	58.0	58.6	58.7	59.4	59.7	59.9	60.5
≥ 8000	36.6	51.2	55.0	57.0	58.9	59.1	60.2	61.0	61.5	62.6	63.2	63.3	64.0	64.3	64.5	65.1
≥ 7000	39.0	54.5	58.8	60.8	62.8	63.0	64.1	65.1	65.6	66.7	67.3	67.4	68.1	68.4	68.6	69.2
≥ 6000	40.8	55.6	61.1	63.1	65.3	65.5	66.7	67.7	68.2	69.3	69.9	70.6	70.7	71.0	71.2	71.8
≥ 5000	43.7	60.6	65.0	67.0	69.2	69.4	70.6	71.6	72.1	73.2	73.8	73.9	74.6	74.9	75.1	75.7
≥ 4500	44.9	62.8	67.3	69.3	71.5	71.7	72.9	73.9	74.4	75.5	76.1	76.2	76.9	77.2	77.4	78.0
≥ 4000	46.7	65.5	70.1	72.2	74.4	74.6	75.8	76.9	77.4	78.5	79.1	79.2	79.9	80.2	80.4	81.0
≥ 3500	48.4	68.4	73.1	75.2	77.4	77.6	78.8	79.9	80.4	81.5	82.1	82.2	82.9	83.2	83.3	83.9
≥ 3000	50.4	71.3	76.4	78.6	80.9	81.1	82.3	83.3	83.8	84.9	85.5	85.6	86.3	86.6	86.8	87.4
≥ 2500	51.9	73.3	78.6	81.0	83.4	83.6	84.8	86.0	86.5	87.6	88.2	88.3	89.0	89.3	89.5	90.1
≥ 2000	53.0	75.7	81.3	83.7	86.5	86.7	88.0	89.2	89.7	90.8	91.4	91.5	92.2	92.5	92.7	93.3
≥ 1800	53.1	75.9	81.5	84.0	86.8	87.0	88.3	89.5	90.0	91.1	91.7	91.8	92.5	92.8	93.0	93.6
≥ 1500	53.9	76.8	82.5	85.0	87.8	88.0	89.3	90.7	91.2	92.3	92.9	93.0	93.7	94.0	94.2	94.7
≥ 1200	54.3	77.2	82.9	85.4	88.3	88.5	89.8	91.2	91.7	92.9	93.5	93.6	94.3	94.6	94.8	95.4
≥ 1000	54.5	77.7	83.5	86.1	89.1	89.3	90.6	92.0	92.5	93.7	94.3	94.4	95.1	95.4	95.6	96.2
≥ 900	54.6	77.9	83.8	86.4	89.6	89.8	91.2	92.6	93.1	94.3	94.9	95.0	95.7	96.0	96.2	96.8
≥ 800	54.6	77.9	83.8	86.4	89.6	89.8	91.3	92.7	93.2	94.4	95.0	95.1	95.8	96.1	96.3	96.9
≥ 700	54.6	77.9	83.7	86.4	89.8	90.0	91.7	93.1	93.6	94.9	95.5	95.6	96.3	96.6	96.8	97.4
≥ 600	54.7	78.0	83.9	86.5	89.9	90.1	91.8	93.2	93.7	95.0	95.6	95.7	96.4	96.7	96.9	97.5
≥ 500	54.7	78.0	83.9	86.7	90.1	90.4	92.3	93.8	94.3	95.6	96.2	96.3	97.0	97.3	97.5	98.1
≥ 400	54.7	78.0	83.9	86.7	90.1	90.5	92.5	94.0	94.5	95.8	96.4	96.5	97.2	97.5	97.7	98.3
≥ 300	54.7	78.0	83.9	86.7	90.1	90.5	92.6	94.2	94.7	96.2	96.8	96.9	97.6	97.9	98.1	98.7
≥ 200	54.7	78.0	83.9	86.7	90.1	90.5	92.6	94.3	94.8	96.4	97.1	97.2	98.0	98.3	98.5	99.1
≥ 100	54.7	78.0	83.9	86.7	90.1	90.5	92.6	94.3	94.8	96.4	97.1	97.2	98.0	98.3	98.5	99.4
≥ 0	54.7	78.0	83.9	86.7	90.1	90.5	92.6	94.3	94.8	96.4	97.1	97.2	98.0	98.3	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1203

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-52,64-68
YEARS

CV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	14.9	17.9	21.6	22.1	23.6	24.1	25.2	25.8	25.9	26.9	27.9	27.9	28.8	29.0	29.4	30.0
≥ 20000	16.3	22.6	24.3	24.8	26.3	26.8	27.9	28.5	28.6	29.8	30.7	30.7	31.6	31.9	32.2	32.8
≥ 18000	16.3	22.6	24.3	24.8	26.3	26.8	27.9	28.5	28.6	29.8	30.7	30.7	31.6	31.9	32.2	32.8
≥ 16000	16.3	23.0	24.7	25.2	26.7	27.2	28.3	28.9	29.0	30.1	31.1	31.1	32.0	32.2	32.6	33.2
≥ 14000	16.6	23.6	25.3	25.9	27.7	28.1	29.5	30.1	30.2	31.4	32.3	32.3	33.2	33.5	33.8	34.4
≥ 12000	17.4	24.4	26.7	27.4	29.3	29.8	31.4	32.0	32.1	33.2	34.2	34.2	35.1	35.3	35.7	36.3
≥ 10000	18.9	28.0	30.4	31.2	33.1	33.6	35.2	35.8	35.9	37.0	38.0	38.0	38.9	39.1	39.5	40.1
≥ 9000	19.6	29.6	32.2	33.2	35.1	35.6	37.2	37.8	37.9	39.0	40.0	40.0	40.9	41.1	41.5	42.1
≥ 8000	22.2	34.4	37.4	38.8	41.0	41.5	43.3	44.0	44.1	45.2	46.2	46.2	47.0	47.3	47.7	48.3
≥ 7000	24.2	33.0	41.0	42.5	44.8	45.3	47.3	47.9	48.0	49.1	50.1	50.1	51.0	51.2	51.6	52.2
≥ 6000	26.0	40.9	44.1	45.7	48.0	48.8	50.9	51.7	51.9	53.2	54.2	54.2	55.1	55.3	55.7	56.3
≥ 5000	28.1	45.4	48.9	50.5	52.8	53.7	56.2	57.3	57.5	58.9	59.9	59.9	60.7	61.0	61.4	62.1
≥ 4500	29.3	47.2	50.7	52.6	54.9	55.8	58.3	59.4	59.6	61.0	62.0	62.0	62.8	63.1	63.5	64.2
≥ 4000	30.2	49.9	53.8	55.8	58.1	59.1	61.6	62.7	63.0	64.3	65.3	65.3	66.2	66.4	66.8	67.5
≥ 3500	33.2	55.9	60.9	63.0	65.3	66.4	68.9	70.0	70.2	71.5	72.6	72.6	73.5	73.7	74.1	74.4
≥ 3000	34.9	59.9	65.3	67.7	70.2	71.4	74.0	75.1	75.4	76.8	77.8	77.8	78.6	78.9	79.3	80.0
≥ 2500	35.7	62.0	67.8	70.1	72.7	73.8	76.4	77.5	77.9	79.3	80.2	80.2	81.1	81.4	81.7	82.5
≥ 2000	37.0	64.8	70.7	73.1	75.7	76.8	79.4	80.5	80.9	82.3	83.3	83.3	84.2	84.4	84.8	85.6
≥ 1800	37.4	65.2	71.2	73.6	76.5	77.7	80.2	81.4	81.7	83.3	84.3	84.3	85.2	85.4	85.8	86.5
≥ 1500	37.7	66.2	72.5	74.8	77.8	79.0	81.7	83.0	83.3	84.9	85.9	85.9	86.8	87.0	87.4	88.1
≥ 1200	37.7	66.8	73.3	75.9	79.0	80.2	83.1	84.3	84.8	86.5	87.5	87.5	88.4	88.6	89.0	89.8
≥ 1000	37.7	66.9	73.5	76.0	79.1	80.4	83.2	84.4	84.9	86.7	87.7	87.7	88.5	88.8	89.1	89.7
≥ 900	37.7	67.3	73.8	76.4	79.5	80.9	83.7	84.9	85.4	87.2	88.1	88.1	89.0	89.3	89.6	90.4
≥ 800	37.9	67.5	74.3	76.9	80.0	81.4	84.3	85.6	86.0	87.8	88.9	88.9	89.8	90.0	90.4	91.1
≥ 700	37.9	67.8	74.3	76.9	80.0	81.5	84.4	85.7	86.2	87.9	89.1	89.1	90.0	90.2	90.6	91.4
≥ 600	37.9	68.1	74.7	77.4	80.6	82.1	85.2	86.5	87.0	88.8	90.0	90.0	90.9	91.1	91.5	92.2
≥ 500	37.9	68.4	74.9	77.8	81.1	82.6	85.8	87.2	87.7	89.4	90.6	90.6	91.5	91.7	92.1	93.0
≥ 400	37.9	68.4	74.9	77.9	81.9	83.3	86.8	88.3	88.8	90.5	91.7	91.7	92.6	92.8	93.2	94.1
≥ 300	37.9	68.4	74.9	77.9	82.0	83.5	87.2	88.6	89.1	91.0	92.6	92.6	93.5	93.7	94.1	95.1
≥ 200	37.9	68.4	74.9	77.9	82.1	83.6	87.4	89.0	89.5	91.5	93.2	93.2	94.2	94.6	95.1	96.2
≥ 100	37.9	68.4	74.9	77.9	82.1	83.6	87.4	89.0	89.5	91.5	93.2	93.2	94.6	95.1	95.5	96.7
≥ 0	37.9	68.4	74.9	77.9	82.1	83.6	87.4	89.0	89.5	91.5	93.2	93.2	94.6	95.1	95.5	96.7

TOTAL NUMBER OF OBSERVATIONS

112

DATA PROCESSING DIVISION
USAF ETAC
AIR CENTER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-52,64-62
YEARS

1971
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.5/16	≥.4	≥0
NO CEILING	15.6	22.2	24.0	23.2	26.4	26.5	27.7	28.0	28.4	29.0	29.6	29.9	30.1	30.2	30.6	31.2
≥ 20000	17.7	23.3	27.0	28.3	29.5	29.6	30.7	31.1	31.5	32.2	32.8	33.1	33.3	33.5	33.8	34.4
≥ 18000	17.7	23.3	27.0	28.3	29.5	29.6	30.7	31.1	31.5	32.2	32.8	33.1	33.3	33.5	33.8	34.4
≥ 16000	17.7	23.3	27.0	28.3	29.5	29.6	30.7	31.1	31.5	32.2	32.8	33.1	33.3	33.5	33.8	34.4
≥ 14000	18.0	25.9	27.7	28.9	30.1	30.2	31.4	31.7	32.1	32.8	33.5	33.7	34.0	34.1	34.4	35.1
≥ 12000	18.4	26.3	28.0	29.5	31.2	31.5	32.6	33.0	33.3	34.1	34.7	34.9	35.2	35.3	35.7	36.3
≥ 10000	19.5	28.6	30.5	32.0	33.8	34.1	35.2	35.6	35.9	36.7	37.3	37.5	37.8	37.9	38.3	38.9
≥ 9000	20.0	30.1	32.3	34.1	36.2	36.4	37.5	37.9	38.3	39.0	39.6	39.9	40.1	40.2	40.6	41.2
≥ 8000	21.4	34.0	36.3	38.0	40.2	40.7	42.1	42.5	43.0	43.7	44.3	44.6	44.8	44.9	45.3	45.9
≥ 7000	24.6	38.5	41.1	42.8	45.1	45.6	47.0	47.7	48.1	48.9	49.6	49.7	50.1	50.2	50.7	51.4
≥ 6000	26.3	41.5	44.2	46.5	48.9	49.5	51.2	51.9	52.3	53.2	54.0	54.2	54.4	54.6	55.1	55.7
≥ 5000	27.5	44.3	47.3	49.8	52.1	52.8	54.0	55.6	56.0	56.9	57.7	57.9	58.1	58.3	58.8	59.4
≥ 4500	29.0	47.4	50.4	52.8	55.2	55.9	57.7	58.6	59.1	60.0	60.7	61.0	61.2	61.4	61.9	62.5
≥ 4000	31.2	51.1	54.2	57.0	59.9	60.7	62.5	63.5	64.0	64.8	65.6	65.8	66.0	66.2	66.7	67.3
≥ 3500	33.1	55.4	59.4	61.9	64.7	65.7	67.5	68.5	69.0	69.9	70.6	70.8	71.1	71.3	71.7	72.3
≥ 3000	34.9	58.8	63.0	65.6	68.5	69.5	71.5	72.5	73.2	74.1	74.8	75.1	75.3	75.4	75.9	76.5
≥ 2500	36.2	61.1	65.6	68.5	71.5	72.5	74.4	75.4	76.2	77.0	77.8	78.0	78.3	78.4	78.9	79.5
≥ 2000	36.9	63.5	68.1	71.4	74.7	75.9	77.7	78.9	79.9	81.1	81.9	82.1	82.3	82.5	83.0	83.6
≥ 1800	37.4	64.2	68.9	72.1	75.4	76.7	78.8	79.8	80.7	82.1	82.8	83.1	83.3	83.5	84.0	84.6
≥ 1500	37.8	65.7	70.4	74.1	77.4	78.6	80.7	81.7	82.7	84.1	84.8	85.1	85.4	85.6	86.0	86.7
≥ 1200	38.0	66.4	71.2	74.9	78.3	79.5	81.6	82.6	83.7	85.1	85.8	86.0	86.4	86.5	87.0	87.7
≥ 1000	38.1	66.7	71.5	75.2	78.5	80.0	82.1	83.1	84.2	85.6	86.3	86.5	86.9	87.0	87.5	88.1
≥ 900	38.1	66.8	71.7	75.4	78.8	80.2	82.3	83.3	84.4	85.8	86.5	86.8	87.2	87.3	87.8	88.4
≥ 800	38.3	67.0	72.2	76.3	79.5	81.2	83.3	84.3	85.6	86.9	87.7	87.9	88.3	88.4	88.9	89.5
≥ 700	38.3	67.3	72.5	76.5	80.0	81.5	83.6	84.7	85.9	87.3	88.0	88.3	88.6	88.9	89.4	90.0
≥ 600	38.3	67.5	73.0	77.0	80.5	82.1	84.2	85.3	86.5	87.9	88.6	88.9	89.3	89.6	90.1	90.7
≥ 500	38.3	67.5	73.0	77.2	80.6	82.2	84.3	85.4	86.7	88.0	88.6	89.0	89.4	89.8	90.2	91.0
≥ 400	38.3	67.5	73.0	77.2	81.2	82.8	84.9	86.5	87.8	89.1	89.9	90.1	90.5	91.1	91.7	92.6
≥ 300	38.3	67.7	73.2	77.5	81.6	83.3	85.7	87.4	88.6	90.0	91.0	91.2	91.7	92.3	93.1	94.0
≥ 200	38.3	67.7	73.2	77.7	81.7	83.8	86.3	88.0	89.4	90.7	91.7	92.2	92.6	93.2	94.1	95.0
≥ 100	38.3	67.7	73.2	77.7	81.7	83.8	86.3	88.0	89.4	90.7	92.0	92.7	93.0	93.8	94.8	95.1
≥ 0	38.3	67.7	73.2	77.7	81.7	83.8	86.3	88.0	89.4	90.7	92.0	92.7	93.1	94.1	95.2	100.0

TOTAL NUMBER OF OBSERVATIONS 110

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

100
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	16.5	17.5	19.0	19.7	20.4	20.5	21.1	21.3	21.4	21.6	21.6	21.9	22.3	22.4	22.6	23.2
≥ 20000	21.0	4.9	25.2	25.6	26.3	26.4	27.1	27.5	27.6	27.7	28.0	28.1	28.5	28.6	29.1	29.7
≥ 18000	21.1	25.0	25.4	25.8	26.6	26.7	27.4	27.7	27.8	28.0	28.3	28.4	28.8	28.8	29.4	30.0
≥ 16000	21.1	25.0	25.4	25.8	26.6	26.7	27.4	27.7	27.8	28.0	28.3	28.4	28.8	28.8	29.4	30.0
≥ 14000	21.4	25.5	25.9	26.3	27.3	27.5	28.1	28.6	28.7	28.8	29.1	29.2	29.6	29.7	30.2	30.8
≥ 12000	22.6	27.3	27.8	28.2	29.2	29.4	30.1	30.5	30.6	30.9	31.2	31.3	31.6	31.7	32.3	32.8
≥ 10000	23.6	28.6	29.1	29.5	30.5	30.7	31.4	31.9	32.0	32.3	32.7	32.7	33.1	33.2	34.0	34.6
≥ 9000	24.4	29.8	30.6	31.1	32.3	32.5	33.2	33.9	33.9	34.1	34.5	34.5	35.0	35.2	35.1	36.4
≥ 8000	26.5	33.5	34.9	35.3	36.5	36.8	37.6	38.2	38.3	38.6	39.0	39.1	39.5	39.7	40.4	41.3
≥ 7000	28.6	35.9	37.1	37.8	39.1	39.5	40.4	41.1	41.2	41.5	41.8	41.7	42.4	42.6	43.2	44.2
≥ 6000	29.6	37.7	39.1	39.5	40.9	41.4	42.2	43.1	43.2	43.6	44.0	44.1	44.5	44.7	45.4	46.3
≥ 5000	32.3	41.8	43.7	44.2	45.7	46.3	47.1	48.1	48.2	49.1	49.4	49.4	49.9	50.1	50.7	51.7
≥ 4500	34.1	45.2	47.0	48.0	49.5	50.1	51.1	52.1	52.2	53.0	53.3	53.4	53.9	54.1	54.7	55.7
≥ 4000	36.1	50.6	53.1	54.2	55.8	56.5	57.6	58.7	58.8	59.4	60.1	60.2	60.7	60.9	61.6	62.7
≥ 3500	40.1	54.4	57.3	59.0	60.9	61.6	62.9	64.1	64.2	65.0	65.7	65.8	66.2	66.4	67.2	68.3
≥ 3000	42.7	58.4	61.9	63.7	65.8	66.5	67.8	69.0	69.1	69.9	70.7	70.8	71.2	71.4	72.2	73.3
≥ 2500	44.2	61.2	65.0	67.3	69.5	70.2	71.6	72.8	72.9	73.7	74.5	74.6	75.0	75.2	76.0	77.1
≥ 2000	45.5	63.3	67.7	70.3	72.8	73.8	75.3	76.9	77.1	78.1	78.9	79.0	79.5	79.7	80.4	81.5
≥ 1800	45.5	63.4	67.8	70.4	72.9	73.9	75.4	77.1	77.3	78.3	79.1	79.2	79.7	79.9	80.6	81.7
≥ 1500	46.1	64.6	69.1	71.8	74.4	75.5	77.1	78.9	79.1	80.2	81.1	81.3	81.7	81.9	82.7	83.1
≥ 1200	46.8	65.5	70.1	72.8	75.5	76.6	78.3	80.2	80.4	81.5	82.4	82.6	83.0	83.2	84.0	85.1
≥ 1000	47.1	66.0	70.6	73.4	76.3	77.4	79.0	81.1	81.3	82.4	83.2	83.4	83.9	84.0	84.8	85.9
≥ 900	47.1	66.0	70.7	73.5	76.3	77.5	79.1	81.2	81.4	82.5	83.3	83.4	84.0	84.1	84.9	86.0
≥ 800	47.2	66.3	71.1	74.0	77.0	78.1	79.9	82.0	82.2	83.3	84.1	84.3	84.8	85.0	85.7	86.8
≥ 700	47.2	66.4	71.2	74.1	77.1	78.2	80.0	82.1	82.3	83.4	84.2	84.4	84.9	85.1	85.8	86.9
≥ 600	47.2	66.4	71.2	74.1	77.1	78.3	80.1	82.4	82.6	83.9	84.7	84.9	85.3	85.5	86.3	87.4
≥ 500	47.2	66.6	71.3	74.4	77.6	78.8	80.7	83.0	83.2	84.5	85.7	85.9	86.4	86.5	87.3	88.6
≥ 400	47.2	66.6	71.3	74.4	77.6	78.8	81.0	83.7	84.0	85.3	86.5	86.7	87.2	87.4	88.1	89.5
≥ 300	47.2	66.6	71.3	74.5	77.8	79.1	81.6	85.1	85.3	86.9	88.3	88.5	89.0	89.4	90.2	92.3
≥ 200	47.2	66.6	71.3	74.5	77.8	79.1	81.7	85.3	85.7	87.8	89.3	89.4	90.5	91.1	92.1	95.3
≥ 100	47.2	66.6	71.3	74.5	77.8	79.1	81.7	85.4	85.9	87.9	89.7	89.7	90.7	91.1	91.7	93.0
≥ 0	47.2	66.6	71.3	74.5	77.8	79.1	81.7	85.4	85.9	87.9	89.7	89.7	90.7	91.1	91.7	93.0

TOTAL NUMBER OF OBSERVATIONS 1073

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/NAF

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39.60-70
YEARS

IV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.5/16	≥.4	≥0
NO CEILING	14.0	15.6	16.3	16.6	16.9	17.0	17.3	17.5	17.6	17.7	17.9	17.9	17.9	17.9	18.1	18.2
≥ 20000	22.3	24.7	25.2	25.6	26.3	26.4	26.9	27.1	27.2	27.4	27.6	27.6	27.6	27.7	27.9	28.1
≥ 18000	22.0	25.0	25.5	25.8	26.0	26.7	27.2	27.4	27.5	27.7	27.9	27.9	27.9	28.0	28.1	28.4
≥ 16000	23.0	25.6	26.0	26.4	27.1	27.2	27.8	28.0	28.1	28.2	28.4	28.4	28.4	28.5	28.7	29.0
≥ 14000	23.7	26.3	26.8	27.2	28.0	28.1	28.6	28.8	28.9	29.1	29.3	29.3	29.3	29.4	29.5	29.9
≥ 12000	25.1	27.9	28.3	28.8	29.6	29.8	30.4	30.6	30.8	31.0	31.2	31.2	31.2	31.3	31.5	31.7
≥ 10000	27.5	30.8	31.5	31.9	33.0	33.1	33.8	34.2	34.4	34.5	34.7	34.7	34.7	34.8	35.0	35.4
≥ 9000	29.9	33.3	34.0	34.4	35.7	35.8	36.0	37.0	37.2	37.4	37.6	37.6	37.6	37.7	37.9	38.2
≥ 8000	43.2	37.8	38.8	39.3	40.7	40.9	41.0	42.0	42.2	42.4	42.6	42.6	42.6	42.7	42.9	43.2
≥ 7000	45.0	40.8	42.1	42.6	44.2	44.4	45.1	45.6	45.8	46.0	46.2	46.2	46.2	46.3	46.5	46.9
≥ 6000	47.5	43.2	44.6	45.2	46.7	47.2	47.9	48.5	48.7	48.9	49.1	49.1	49.1	49.2	49.4	49.8
≥ 5000	40.8	47.0	49.6	50.3	51.9	52.3	53.1	53.9	54.1	54.3	54.6	54.6	54.6	54.7	54.9	55.4
≥ 4500	42.0	51.1	52.0	52.7	54.4	54.7	55.5	56.3	56.5	56.7	57.0	57.0	57.0	57.1	57.3	57.8
≥ 4000	45.3	53.7	55.9	56.6	58.2	58.6	59.4	60.2	60.4	60.6	61.0	61.0	61.0	61.1	61.3	61.8
≥ 3500	46.9	56.1	58.7	59.9	61.8	62.3	63.1	64.2	64.4	64.6	65.1	65.1	65.1	65.2	65.4	65.8
≥ 3000	49.1	59.4	62.2	63.6	65.6	66.2	67.0	68.1	68.3	68.7	69.3	69.3	69.3	69.4	69.5	70.0
≥ 2500	51.9	63.2	66.2	67.6	69.6	70.3	71.1	72.2	72.6	73.0	73.6	73.6	73.6	73.7	73.9	74.4
≥ 2000	53.7	65.8	69.2	70.7	72.3	74.1	75.1	76.3	76.8	77.1	77.8	77.8	77.8	77.9	78.1	78.5
≥ 1800	54.0	66.3	69.6	71.2	73.9	74.6	75.7	76.9	77.4	77.6	78.4	78.4	78.4	78.5	78.7	79.2
≥ 1500	54.9	67.7	71.4	73.3	76.3	77.0	78.3	79.7	80.2	80.6	81.3	81.3	81.3	81.4	81.6	82.0
≥ 1200	55.8	68.9	72.7	74.7	78.0	78.9	80.2	81.8	82.2	82.7	83.5	83.5	83.5	83.6	83.8	84.3
≥ 1000	56.3	69.4	73.3	75.6	78.9	79.8	81.1	82.7	83.1	83.6	84.4	84.4	84.4	84.5	84.7	85.2
≥ 900	56.3	69.4	73.6	75.9	79.4	80.4	81.8	83.3	83.8	84.3	85.1	85.1	85.1	85.2	85.4	85.9
≥ 800	56.3	69.6	73.9	76.2	79.6	80.6	82.1	83.6	84.4	84.8	85.6	85.6	85.6	85.7	85.9	86.4
≥ 700	56.4	69.8	74.2	76.5	80.1	81.2	83.0	84.8	85.4	85.9	86.8	86.8	86.8	86.9	87.0	87.5
≥ 600	56.4	70.3	74.7	77.1	80.8	82.1	83.9	85.8	86.4	87.2	88.1	88.1	88.1	88.1	88.3	88.9
≥ 500	56.4	70.4	74.9	77.3	81.3	82.6	84.6	87.0	87.7	88.9	89.7	89.7	89.7	89.8	90.0	90.4
≥ 400	56.4	70.4	74.9	77.3	81.4	82.8	85.1	88.1	88.9	90.6	91.6	91.6	91.7	92.0	92.2	92.9
≥ 300	56.4	70.4	74.9	77.3	81.5	83.1	85.5	88.6	89.5	91.6	93.1	93.1	93.3	93.7	94.0	95.1
≥ 200	56.4	70.4	74.9	77.3	81.5	83.1	85.5	88.7	89.7	91.9	93.7	93.7	94.3	94.8	95.0	97.7
≥ 100	56.4	70.4	74.9	77.3	81.5	83.1	85.5	88.7	89.7	91.9	93.7	93.7	94.4	95.2	95.9	97.4
≥ 0	56.4	70.4	74.9	77.3	81.5	83.1	85.5	88.7	89.7	91.9	93.7	93.7	94.4	95.2	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1000

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

12V
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	10.2	18.1	18.6	18.9	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
≥ 20000	24.3	26.8	27.3	27.7	28.1	28.2	28.2	28.2	28.2	28.2	28.3	28.3	28.3	28.3	28.3	28.3
≥ 18000	24.3	26.8	27.3	27.7	28.1	28.2	28.2	28.2	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 16000	25.0	27.5	28.1	28.5	29.0	29.1	29.1	29.1	29.1	29.2	29.2	29.2	29.2	29.2	29.2	29.2
≥ 14000	26.7	29.4	30.3	30.7	31.2	31.3	31.3	31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 12000	27.4	31.1	32.0	32.5	33.1	33.1	33.1	33.1	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 10000	30.6	34.4	35.4	35.8	36.4	36.5	36.6	36.7	36.7	36.8	36.9	36.9	36.9	36.9	36.9	36.9
≥ 9000	33.0	37.1	38.1	38.7	39.3	39.4	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 8000	36.6	41.6	43.0	43.7	44.3	44.4	44.5	44.6	44.6	44.8	45.1	45.1	45.1	45.1	45.1	45.1
≥ 7000	39.3	45.6	47.2	48.1	48.6	48.8	49.0	49.1	49.1	49.3	49.5	49.5	49.5	49.5	49.5	49.5
≥ 6000	40.6	47.5	49.3	50.1	50.6	50.9	51.1	51.2	51.2	51.5	51.8	51.8	51.8	51.8	51.8	51.8
≥ 5000	44.0	51.8	53.7	54.5	55.1	55.4	55.6	55.6	55.6	55.9	56.2	56.2	56.2	56.2	56.2	56.2
≥ 4500	46.2	54.1	56.2	57.0	57.6	57.9	58.1	58.1	58.1	58.4	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4000	49.5	58.4	60.7	62.1	62.7	63.0	63.1	63.3	63.3	63.6	63.9	63.9	63.9	63.9	63.9	63.9
≥ 3500	51.4	61.5	63.9	65.5	66.5	66.8	66.9	67.1	67.1	67.4	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3000	54.0	64.3	66.9	68.6	69.9	70.2	70.4	70.6	70.6	71.0	71.4	71.4	71.4	71.4	71.4	71.4
≥ 2500	58.5	70.2	73.1	75.1	76.5	76.9	77.0	77.3	77.8	78.1	78.8	78.8	78.8	78.8	78.8	78.8
≥ 2000	61.1	73.9	77.0	79.3	80.7	81.1	81.5	81.8	82.2	82.8	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1800	61.4	74.4	77.6	79.8	81.3	81.7	82.0	82.3	82.8	83.3	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1500	62.5	75.9	79.3	81.6	83.1	83.5	84.1	84.4	84.8	85.4	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1200	63.7	77.5	81.1	83.5	85.1	85.5	86.0	86.6	87.0	87.9	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1000	63.9	77.6	81.5	84.0	85.7	86.1	86.8	87.3	87.9	88.7	89.4	89.4	89.4	89.4	89.4	89.4
≥ 900	64.1	78.2	81.9	84.5	86.5	86.9	87.6	88.1	88.7	89.5	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800	64.1	78.3	82.0	84.8	86.8	87.5	88.3	88.9	89.4	90.3	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700	64.2	78.6	82.5	85.2	87.2	88.0	88.9	89.4	90.0	90.8	91.6	91.6	91.6	91.6	91.6	91.6
≥ 600	64.2	78.6	82.4	85.6	87.9	88.8	89.7	90.4	91.1	91.9	92.8	92.8	92.8	92.8	92.8	92.8
≥ 500	64.4	78.9	82.8	86.0	88.4	89.5	90.6	91.6	92.4	93.5	94.4	94.4	94.4	94.4	94.4	94.4
≥ 400	64.4	79.0	83.0	86.3	89.1	90.2	91.4	92.6	93.5	94.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 300	64.5	79.1	83.1	86.4	89.3	90.6	92.0	93.6	94.6	96.5	98.1	98.3	98.6	98.6	98.6	98.6
≥ 200	64.5	79.1	83.1	86.4	89.3	90.6	92.1	93.8	94.8	96.7	98.4	98.6	99.0	99.2	99.3	99.3
≥ 100	64.5	79.1	83.1	86.4	89.3	90.6	92.1	93.8	94.8	96.7	98.4	98.6	99.0	99.2	99.3	99.3
≥ 0	64.5	79.1	83.1	86.4	89.3	90.6	92.1	93.8	94.8	96.7	98.4	98.6	99.0	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 12,000

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF

39,60-70

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥½
NO CEILING	16.4	20.5	20.7	21.1	21.4	21.4	21.4	21.4	21.4	21.5	21.8	21.9	21.6	21.9	21.0	21.9
≥ 20000	25.7	28.0	28.2	28.0	29.4	29.4	29.6	29.8	29.8	30.2	30.5	30.5	30.5	30.5	30.5	30.6
≥ 18000	25.9	28.2	28.7	29.5	29.9	29.9	30.2	30.4	30.4	30.7	31.0	31.0	31.0	31.0	31.0	31.1
≥ 16000	26.7	29.0	29.5	30.4	30.7	30.7	31.0	31.2	31.2	31.6	31.9	31.9	31.9	31.9	31.9	31.9
≥ 14000	28.9	31.7	32.2	33.1	33.5	33.5	33.8	34.0	34.0	34.4	34.6	34.6	34.6	34.7	34.7	34.8
≥ 12000	29.6	33.5	34.2	35.2	35.6	35.6	35.8	36.0	36.0	36.4	36.7	36.7	36.7	36.8	36.8	36.9
≥ 10000	34.0	37.2	37.9	38.9	39.4	39.4	39.6	39.8	39.8	40.2	40.5	40.5	40.5	40.6	40.6	40.6
≥ 9000	35.6	39.4	40.1	41.3	41.8	41.8	42.0	42.2	42.2	42.5	42.9	42.9	42.9	43.0	43.0	43.1
≥ 8000	39.6	44.0	44.8	46.4	47.0	47.0	47.4	47.6	47.6	48.0	48.2	48.2	48.2	48.3	48.3	48.4
≥ 7000	44.0	49.4	50.6	52.2	53.1	53.1	53.5	53.7	53.7	54.1	54.4	54.4	54.4	54.4	54.4	54.5
≥ 6000	45.4	51.0	52.2	54.2	55.0	55.0	55.5	55.7	55.7	56.2	56.5	56.5	56.5	56.6	56.6	56.7
≥ 5000	48.7	55.5	56.9	58.8	59.8	59.9	60.4	60.6	60.6	61.1	61.4	61.4	61.4	61.5	61.5	61.6
≥ 4500	50.4	57.4	58.9	61.1	62.4	62.5	63.1	63.4	63.4	63.9	64.2	64.2	64.2	64.3	64.3	64.4
≥ 4000	53.8	61.7	63.4	65.8	67.5	67.6	68.2	68.5	68.5	69.0	69.3	69.3	69.3	69.4	69.4	69.4
≥ 3500	55.7	64.4	66.5	69.2	70.9	71.0	71.7	71.9	71.9	72.4	72.7	72.7	72.8	72.8	72.8	72.9
≥ 3000	58.0	67.7	69.7	72.8	74.6	74.7	75.5	75.8	75.8	76.4	76.7	76.7	76.8	76.8	76.8	76.9
≥ 2500	61.9	72.6	75.1	78.3	80.3	80.4	81.3	81.9	81.9	82.6	82.9	82.9	83.0	83.0	83.0	83.1
≥ 2000	63.9	75.9	78.6	82.1	84.4	84.5	85.6	86.1	86.1	86.9	87.2	87.2	87.3	87.3	87.3	87.4
≥ 1800	64.1	76.1	78.8	82.3	84.5	84.7	85.7	86.3	86.3	87.1	87.4	87.4	87.4	87.5	87.5	87.5
≥ 1500	65.3	78.0	80.9	84.8	87.1	87.3	88.3	89.0	89.0	89.8	90.1	90.1	90.2	90.2	90.2	90.3
≥ 1200	65.6	78.7	81.9	85.8	88.3	88.6	89.6	90.3	90.5	91.3	91.6	91.6	91.7	91.7	91.7	91.8
≥ 1000	65.7	79.2	82.3	86.4	89.1	89.4	90.8	91.7	91.7	92.6	92.9	92.9	93.0	93.0	93.0	93.1
≥ 900	65.8	79.3	82.4	86.6	89.4	89.8	91.3	92.1	92.1	93.1	93.3	93.3	93.4	93.4	93.4	93.5
≥ 800	65.8	79.3	82.4	86.6	89.6	90.2	91.9	92.8	92.8	93.8	94.1	94.1	94.2	94.2	94.2	94.3
≥ 700	65.8	79.4	82.6	86.8	89.8	90.4	92.1	93.1	93.1	94.4	94.6	94.6	94.7	94.7	94.7	94.8
≥ 600	65.8	79.4	82.6	86.8	89.8	90.4	92.2	93.2	93.4	94.6	94.9	94.9	95.0	95.0	95.0	95.1
≥ 500	65.8	79.4	82.8	87.0	90.1	90.6	92.5	93.9	94.3	95.6	96.0	96.1	96.3	96.3	96.3	96.4
≥ 400	65.8	79.4	82.9	87.2	90.3	91.3	93.1	94.6	95.1	96.6	97.1	97.2	97.5	97.5	97.5	97.6
≥ 300	65.8	79.4	82.9	87.2	90.3	91.6	93.7	95.5	95.7	97.6	98.5	98.6	98.9	98.9	98.9	99.0
≥ 200	65.8	79.4	82.9	87.2	90.3	91.6	93.7	95.5	95.9	97.7	98.9	99.0	99.4	99.4	99.4	99.5
≥ 100	65.8	79.4	82.9	87.2	90.3	91.6	93.7	95.5	95.9	97.7	98.9	99.0	99.4	99.4	99.4	99.5
≥ 0	65.8	79.4	82.9	87.2	90.3	91.6	93.7	95.5	95.9	97.7	98.9	99.0	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1200

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

1/1
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1870-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	18.5	26.4	27.2	28.1	28.0	28.6	29.2	29.5	30.7	30.2	30.3	30.6	30.6	30.6	30.6	30.6
≥ 20000	22.2	30.7	32.3	33.3	33.9	34.7	34.7	35.1	35.3	36.0	36.2	36.3	36.8	36.8	36.9	36.9
≥ 18000	22.2	30.7	32.3	33.4	34.2	34.3	35.0	35.4	35.6	36.3	36.5	36.6	37.0	37.0	37.1	37.1
≥ 16000	22.2	30.8	32.4	33.5	34.3	34.4	35.1	35.5	35.6	36.4	36.6	36.7	37.1	37.1	37.2	37.2
≥ 14000	22.8	32.2	34.0	35.3	36.0	36.1	36.9	37.4	37.6	38.3	38.6	38.7	39.2	39.2	39.3	39.3
≥ 12000	23.9	33.9	35.9	37.2	38.0	38.1	38.8	39.4	39.5	40.3	40.6	40.6	41.1	41.1	41.2	41.2
≥ 10000	25.0	35.5	37.7	39.0	39.8	40.1	40.8	41.4	41.6	42.3	42.6	42.7	43.1	43.1	43.2	43.2
≥ 9000	26.2	38.0	40.5	41.9	42.7	43.2	44.0	44.5	44.7	45.5	45.7	45.7	46.3	46.3	46.4	46.4
≥ 8000	29.8	42.2	45.0	46.6	47.4	48.0	48.7	49.3	49.4	50.2	50.5	50.6	51.0	51.0	51.1	51.1
≥ 7000	22.4	40.9	50.0	51.7	52.6	53.1	53.9	54.4	54.6	55.6	55.8	55.9	56.4	56.4	56.5	56.5
≥ 6000	34.5	50.0	53.5	55.4	56.6	57.1	58.0	58.6	59.0	59.9	60.2	60.3	60.7	60.7	60.8	60.8
≥ 5000	26.8	54.3	58.1	60.0	61.3	61.9	62.9	63.6	64.0	64.9	65.2	65.3	65.7	65.7	65.8	65.8
≥ 4500	38.0	56.4	60.3	62.3	63.8	64.4	65.4	66.1	66.5	67.4	67.7	67.7	68.2	68.2	68.3	68.3
≥ 4000	29.4	60.6	65.1	67.4	69.0	69.5	70.6	71.3	71.7	72.6	72.9	73.0	73.4	73.4	73.5	73.5
≥ 3500	42.8	65.0	69.9	72.4	74.2	74.7	75.7	76.5	76.9	77.8	78.1	78.1	78.6	78.6	78.7	78.7
≥ 3000	45.6	68.7	74.0	76.8	78.7	79.3	80.4	81.1	81.5	82.5	82.8	82.9	83.3	83.3	83.4	83.4
≥ 2500	46.8	70.8	76.6	79.4	81.7	82.2	83.3	84.1	84.6	85.7	86.0	86.1	86.6	86.6	86.7	86.7
≥ 2000	47.9	74.5	80.6	83.7	86.0	86.6	87.7	88.4	89.0	90.2	90.5	90.9	91.0	91.0	91.1	91.1
≥ 1800	48.1	74.8	80.8	84.1	86.4	86.9	88.1	88.8	89.4	90.6	90.8	90.9	91.4	91.4	91.5	91.5
≥ 1500	48.2	75.2	81.3	84.7	87.2	87.8	88.9	89.6	90.2	91.4	91.7	91.9	92.2	92.2	92.3	92.3
≥ 1200	48.2	75.7	82.2	85.7	88.3	89.0	90.2	90.9	91.5	92.7	93.0	93.1	93.5	93.5	93.6	93.6
≥ 1000	48.2	76.0	82.5	86.0	88.6	89.4	90.7	91.5	92.0	93.2	93.5	93.6	94.1	94.1	94.2	94.2
≥ 900	48.2	76.0	82.5	86.1	88.7	89.8	91.1	91.9	92.4	93.6	94.1	94.2	94.6	94.6	94.7	94.7
≥ 800	48.2	76.0	82.5	86.1	88.9	90.1	91.4	92.1	92.7	93.9	94.4	94.4	94.9	94.9	95.0	95.0
≥ 700	48.2	76.1	82.6	86.2	89.0	90.3	91.6	92.3	92.9	94.1	94.5	94.6	95.1	95.1	95.2	95.2
≥ 600	48.2	76.1	82.6	86.2	89.0	90.5	91.8	92.5	93.1	94.3	94.7	94.8	95.3	95.3	95.4	95.4
≥ 500	48.2	76.1	82.7	86.3	89.2	90.7	92.1	93.1	93.6	94.8	95.3	95.4	95.8	95.8	95.9	95.9
≥ 400	48.2	76.1	82.7	86.3	89.2	90.7	92.2	93.2	94.0	95.3	95.7	95.8	96.3	96.3	96.4	96.4
≥ 300	48.2	76.2	82.8	86.4	89.4	90.9	92.5	93.5	94.3	95.7	96.2	96.3	96.8	96.8	96.9	96.9
≥ 200	48.2	76.2	82.8	86.4	89.4	90.9	92.7	93.7	94.4	95.4	96.9	97.0	97.5	97.5	97.6	97.6
≥ 100	48.2	76.2	82.8	86.4	89.4	90.9	92.7	93.7	94.4	96.5	97.0	97.1	97.7	97.7	97.8	97.8
≥ 0	48.2	76.2	82.8	86.4	89.4	90.9	92.7	93.7	94.4	96.5	97.0	97.1	97.9	97.9	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 1000

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201 FORT LEWIS WASHINGTON/GRAY AAF 39,60-70

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	19.7	22.2	24.4	25.1	25.5	25.8	26.7	27.3	27.4	28.2	28.6	28.6	29.9	29.9	30.0	30.2
≥ 20000	19.0	26.7	28.9	29.7	30.1	30.7	31.7	32.3	32.4	33.2	33.6	33.6	35.1	35.1	35.3	35.6
≥ 18000	19.0	26.7	28.9	29.7	30.4	31.0	32.0	32.6	32.7	33.5	33.9	33.9	35.4	35.4	35.6	35.9
≥ 16000	19.0	26.7	28.9	29.9	30.4	31.0	32.0	32.6	32.7	33.5	33.9	33.9	35.4	35.4	35.6	35.9
≥ 14000	19.8	27.6	29.8	31.1	31.6	32.2	33.2	33.9	34.0	34.7	35.1	35.1	36.7	36.7	36.9	37.2
≥ 12000	20.7	29.2	31.5	32.8	33.3	33.9	34.8	35.5	35.6	36.4	36.8	36.8	38.4	38.4	38.6	38.9
≥ 10000	21.7	32.7	35.1	36.5	37.0	37.6	38.7	39.5	39.5	40.3	40.7	40.7	42.3	42.3	42.6	42.9
≥ 9000	22.2	34.6	37.3	39.0	39.5	40.0	41.2	42.0	42.1	42.9	43.3	43.3	44.8	44.8	45.1	45.4
≥ 8000	25.0	38.5	41.3	43.1	43.7	44.3	45.5	46.3	46.4	47.2	47.6	47.6	49.2	49.2	49.5	49.8
≥ 7000	26.3	41.6	44.7	46.5	47.3	48.0	49.3	50.0	50.1	51.1	51.5	51.5	53.1	53.1	53.4	53.7
≥ 6000	27.9	43.5	46.7	48.8	49.7	50.3	51.6	52.4	52.6	53.6	54.2	54.2	55.7	55.7	56.0	56.3
≥ 5000	31.4	48.8	52.5	54.7	55.8	56.5	57.9	58.7	58.9	60.1	60.5	60.5	62.0	62.0	62.3	62.6
≥ 4500	33.6	52.4	56.2	58.6	59.8	60.5	61.8	62.6	62.8	64.0	64.4	64.4	65.9	65.9	66.2	66.5
≥ 4000	35.9	57.2	61.5	64.0	65.4	66.0	67.4	68.2	68.4	69.6	70.0	70.0	71.5	71.5	71.8	72.1
≥ 3500	38.5	62.0	67.0	69.8	71.2	71.9	73.5	74.3	74.5	75.7	76.1	76.1	77.6	77.6	77.9	78.2
≥ 3000	41.9	66.6	72.3	75.2	76.7	77.6	79.2	80.0	80.3	81.5	81.8	81.8	83.4	83.4	83.8	84.1
≥ 2500	42.7	68.9	74.7	77.7	79.4	80.3	81.8	82.6	82.9	84.1	84.5	84.5	86.1	86.1	86.5	86.8
≥ 2000	43.3	71.4	77.6	80.8	82.4	83.2	84.9	85.7	86.0	87.1	87.6	87.6	89.2	89.2	89.6	90.0
≥ 1800	43.5	71.8	78.0	81.2	82.8	83.7	85.3	86.1	86.4	87.5	88.0	88.0	89.6	89.6	90.0	90.4
≥ 1500	43.6	72.3	78.5	81.6	83.3	84.2	85.8	86.6	86.8	88.0	88.5	88.5	90.1	90.1	90.5	90.9
≥ 1200	43.6	73.1	79.5	83.0	84.7	85.7	87.4	88.2	88.6	89.8	90.3	90.3	91.9	91.9	92.2	92.6
≥ 1000	43.7	73.4	79.8	83.3	85.1	86.1	87.8	88.6	89.0	90.2	90.7	90.7	92.2	92.2	92.6	93.0
≥ 900	43.8	73.6	80.1	83.6	85.4	86.4	88.1	88.9	89.3	90.5	91.3	91.3	92.8	92.8	93.2	93.6
≥ 800	43.9	73.7	80.2	83.9	85.8	86.8	88.6	89.4	89.8	91.0	91.8	91.8	93.3	93.3	93.7	94.1
≥ 700	43.9	73.7	80.2	84.0	85.9	86.9	88.7	89.5	89.9	91.1	91.9	91.9	93.4	93.4	93.8	94.2
≥ 600	43.9	73.7	80.2	84.0	85.9	87.0	88.8	89.6	90.0	91.2	92.0	92.0	93.5	93.5	93.9	94.3
≥ 500	43.9	73.8	80.4	84.3	86.3	87.5	89.3	90.2	90.6	91.8	92.5	92.5	94.1	94.1	94.5	94.9
≥ 400	44.0	73.9	80.5	84.5	86.6	87.9	89.7	90.8	91.2	92.3	93.1	93.1	94.7	94.7	95.1	95.5
≥ 300	44.0	73.9	80.5	84.5	86.6	87.9	89.7	90.9	91.3	92.4	93.2	93.2	94.8	94.8	95.2	95.6
≥ 200	44.0	73.9	80.5	84.5	86.6	87.9	89.9	91.2	91.6	93.0	93.9	93.9	95.5	95.8	96.1	96.5
≥ 100	44.0	73.9	80.5	84.5	86.6	87.9	89.9	91.2	91.6	93.1	94.1	94.1	95.8	96.1	96.8	97.2
≥ 0	44.0	73.9	80.5	84.7	86.8	88.1	90.1	91.4	91.8	93.3	94.3	94.3	96.1	96.4	97.1	97.5

TOTAL NUMBER OF OBSERVATIONS 1019

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

EDF L LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-68
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	14.6	17.4	18.1	19.3	19.7	19.8	20.0	21.0	21.1	21.7	21.9	22.0	22.5	22.6	22.7	23.6
≥ 20000	16.0	19.7	20.6	21.6	22.1	22.2	22.4	23.5	23.6	24.2	24.3	24.5	25.1	25.2	25.5	26.3
≥ 18000	16.1	19.8	20.7	21.7	22.2	22.3	22.5	23.6	23.7	24.3	24.4	24.7	25.2	25.3	25.6	26.4
≥ 16000	16.1	19.8	20.7	21.7	22.2	22.3	22.5	23.6	23.7	24.3	24.4	24.7	25.2	25.3	25.6	26.4
≥ 14000	16.5	20.3	21.3	22.4	22.8	22.9	23.1	24.2	24.3	25.0	25.1	25.3	25.8	25.9	26.3	27.0
≥ 12000	17.5	21.9	22.8	24.0	24.4	24.5	24.9	25.9	26.0	26.7	26.8	27.0	27.6	27.7	28.0	28.7
≥ 10000	19.1	24.1	25.1	26.4	26.6	26.9	27.3	28.4	28.5	29.3	29.4	29.6	30.1	30.4	30.7	31.4
≥ 9000	20.9	26.2	27.1	28.4	28.8	29.0	29.4	30.5	30.6	31.3	31.4	31.6	32.2	32.4	32.7	33.5
≥ 8000	23.5	30.8	31.9	33.2	33.6	33.7	34.1	35.2	35.3	36.1	36.2	36.4	36.9	37.1	37.5	38.2
≥ 7000	25.0	34.2	35.6	36.9	37.4	37.5	37.9	39.0	39.1	39.8	39.9	40.2	40.7	40.9	41.2	42.0
≥ 6000	26.8	36.7	38.3	39.7	40.3	40.5	40.9	42.0	42.2	42.9	43.1	43.3	43.8	44.0	44.3	45.1
≥ 5000	30.5	42.2	43.9	45.4	46.0	46.3	46.7	47.9	48.1	48.9	49.0	49.2	49.7	49.9	50.3	51.0
≥ 4500	31.9	44.0	45.7	47.3	47.8	48.1	48.5	49.7	49.9	50.7	50.8	51.0	51.6	51.8	52.1	52.9
≥ 4000	34.1	47.1	49.6	51.5	52.0	52.4	53.1	54.4	54.6	55.4	55.5	55.9	56.4	56.6	56.9	57.7
≥ 3500	36.4	50.7	53.7	55.5	56.5	57.1	57.7	59.2	59.4	60.4	60.5	60.8	61.4	61.6	61.9	62.6
≥ 3000	38.6	55.4	59.2	61.2	62.8	63.4	64.2	65.8	66.2	67.3	67.4	67.7	68.4	68.6	68.9	69.6
≥ 2500	40.3	58.7	63.0	65.2	66.7	67.6	68.4	70.1	70.6	71.9	72.1	72.4	73.1	73.3	73.6	74.4
≥ 2000	42.5	64.3	69.2	71.9	73.7	74.6	75.5	77.2	77.7	79.0	79.2	79.5	80.2	80.4	80.7	81.5
≥ 1800	42.7	64.8	69.9	72.8	74.6	75.5	76.3	78.0	78.6	79.9	80.1	80.4	81.1	81.3	81.6	82.3
≥ 1500	42.8	65.4	70.5	73.4	75.3	76.3	77.2	78.9	79.4	80.7	80.9	81.3	81.9	82.1	82.5	83.2
≥ 1200	43.1	66.6	72.1	75.6	77.9	79.1	80.0	81.8	82.3	83.7	84.0	84.3	84.9	85.1	85.5	86.2
≥ 1000	43.2	67.3	73.2	76.6	79.1	80.3	81.2	83.4	84.0	85.5	85.7	86.0	86.7	86.9	87.2	88.1
≥ 900	43.2	67.5	73.4	76.9	79.3	80.5	81.4	83.6	84.2	85.7	85.9	86.2	86.9	87.1	87.4	88.3
≥ 800	43.2	67.8	73.7	77.4	79.9	81.1	81.9	84.3	84.8	86.3	86.7	87.0	87.6	87.8	88.2	89.0
≥ 700	43.2	68.0	74.1	77.7	80.3	81.5	82.3	84.9	85.5	87.0	87.3	87.6	88.3	88.5	88.8	89.7
≥ 600	43.2	68.1	74.2	77.8	80.5	81.9	82.9	85.6	86.1	87.6	87.9	88.3	88.9	89.1	89.5	90.3
≥ 500	43.2	68.1	74.4	78.1	80.9	82.5	83.4	86.3	86.9	88.6	88.9	89.2	89.9	90.1	90.4	91.3
≥ 400	43.2	68.1	74.4	78.6	81.5	83.2	84.3	87.3	87.8	89.6	89.9	90.2	90.9	91.1	91.4	92.2
≥ 300	43.2	68.1	74.5	78.7	81.7	83.5	84.7	88.2	88.7	90.4	90.9	91.2	91.8	92.0	92.4	93.2
≥ 200	43.2	68.2	74.6	78.8	81.8	83.7	84.9	88.4	88.9	90.7	91.3	92.2	93.3	93.5	94.1	95.0
≥ 100	43.2	68.2	74.6	78.8	81.8	83.7	84.9	88.4	88.9	90.9	91.5	92.6	93.8	94.1	94.6	95.4
≥ 0	43.2	68.2	74.6	78.8	81.8	83.7	84.9	88.4	88.9	90.9	91.5	92.7	94.0	94.3	94.8	95.6

TOTAL NUMBER OF OBSERVATIONS 222

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/PAW

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-68
YEARS

1 FC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	13.0	17.0	18.2	19.7	18.3	19.5	20.0	20.3	20.3	20.5	21.1	21.1	21.5	21.5	21.6	22.3
≥ 20000	15.1	19.7	20.9	21.6	21.8	22.4	22.9	23.2	23.2	24.0	24.4	24.4	24.9	24.9	25.3	25.7
≥ 18000	15.2	19.8	21.0	21.7	21.9	22.5	23.0	23.3	23.3	24.1	24.5	24.5	25.1	25.1	25.4	25.8
≥ 16000	15.4	20.0	21.2	21.9	22.2	22.7	23.2	23.5	23.5	24.3	24.7	24.7	25.3	25.3	25.6	26.0
≥ 14000	15.6	20.4	21.6	22.4	22.6	23.1	23.7	24.0	24.0	24.7	25.2	25.2	25.7	25.7	26.0	26.5
≥ 12000	16.8	21.8	23.0	23.8	24.0	24.5	25.1	25.4	25.4	26.1	26.6	26.6	27.1	27.1	27.4	27.8
≥ 10000	17.8	23.7	24.8	25.8	26.0	26.7	27.2	27.5	27.5	28.3	28.7	28.7	29.4	29.4	29.7	30.1
≥ 9000	19.1	24.9	26.1	27.1	27.3	28.0	28.3	28.8	28.8	29.6	30.0	30.0	30.6	30.6	31.0	31.4
≥ 8000	21.3	28.9	30.9	32.0	32.4	33.0	33.5	33.9	33.9	34.6	35.1	35.1	35.7	35.7	36.0	36.5
≥ 7000	23.0	32.4	34.5	35.7	36.1	36.8	37.3	37.6	37.6	38.4	38.8	38.8	39.5	39.5	39.8	40.2
≥ 6000	24.7	35.5	37.6	38.9	39.5	40.2	40.8	41.1	41.1	41.8	42.3	42.3	42.9	42.9	43.2	43.7
≥ 5000	27.1	40.3	42.8	44.3	44.8	45.6	46.1	46.5	46.5	47.2	47.6	47.6	48.3	48.3	48.6	49.0
≥ 4500	29.2	43.2	45.8	47.3	47.8	48.6	49.1	49.5	49.5	50.2	50.6	50.6	51.3	51.3	51.6	52.0
≥ 4000	31.1	45.6	48.7	50.3	51.1	51.8	52.5	52.9	52.9	53.7	54.1	54.1	54.7	54.7	55.1	55.5
≥ 3500	33.8	49.7	53.5	55.7	56.5	57.2	57.8	58.3	58.3	59.0	59.5	59.5	60.1	60.1	60.5	61.0
≥ 3000	36.2	53.7	57.7	60.0	61.0	61.7	62.5	62.9	63.0	64.1	64.5	64.5	65.2	65.2	65.6	66.0
≥ 2500	38.5	58.3	63.1	65.5	66.7	67.5	68.3	68.7	68.8	70.0	70.4	70.4	71.1	71.1	71.5	71.9
≥ 2000	40.9	62.5	68.0	70.8	72.3	73.1	73.9	74.3	74.4	75.6	76.2	76.2	76.9	76.9	77.3	77.7
≥ 1800	41.0	62.8	68.3	71.2	72.7	73.5	74.4	74.8	74.9	76.1	76.8	76.8	77.4	77.4	77.8	78.3
≥ 1500	41.1	63.4	69.0	72.3	74.0	74.8	75.7	76.2	76.3	77.5	78.2	78.2	78.8	78.8	79.2	79.7
≥ 1200	41.4	65.5	71.2	75.2	77.2	78.1	79.0	79.6	79.7	80.9	81.5	81.5	82.2	82.2	82.6	83.0
≥ 1000	41.9	66.5	72.2	76.1	78.5	79.5	80.4	81.4	81.6	82.8	83.4	83.4	84.1	84.1	84.5	84.9
≥ 900	41.9	66.5	72.3	76.3	78.8	79.8	80.8	81.7	81.9	83.2	83.9	83.9	84.5	84.5	84.9	85.4
≥ 800	41.9	66.9	72.8	76.9	79.4	80.3	81.3	82.6	82.8	84.3	84.9	84.9	85.6	85.6	86.0	86.5
≥ 700	41.9	66.9	72.8	77.0	79.7	80.6	81.6	83.0	83.3	84.8	85.5	85.5	86.1	86.1	86.6	87.1
≥ 600	41.9	67.2	73.2	77.5	80.9	81.5	82.6	84.0	84.3	85.9	86.6	86.6	87.2	87.2	87.6	88.1
≥ 500	41.9	67.2	73.4	77.8	81.1	82.3	83.4	85.1	85.4	87.2	87.8	87.8	88.5	88.5	88.9	89.4
≥ 400	41.9	67.2	73.7	78.6	81.8	83.0	84.8	86.5	86.9	88.7	89.4	89.4	90.0	90.0	90.4	90.9
≥ 300	41.9	67.2	73.7	78.6	81.8	83.0	85.2	87.3	87.8	89.9	90.5	90.5	91.4	91.4	91.9	92.4
≥ 200	41.9	67.2	73.7	78.7	81.9	83.1	85.5	87.8	88.6	90.6	91.4	91.4	92.6	92.6	93.5	94.5
≥ 100	41.9	67.2	73.7	78.7	81.9	83.1	85.5	87.8	88.6	90.9	91.7	91.7	93.1	93.1	94.7	97.1
≥ 0	41.9	67.2	73.7	78.7	81.9	83.1	85.5	87.8	88.6	90.9	91.7	91.7	93.1	93.1	94.7	97.1

TOTAL NUMBER OF OBSERVATIONS 730

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FUPT LEWIS WASHINGTON/GRAY AAF
STATION NAME

49, 60-70
YEARS

PER MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	12.1	15.7	16.8	16.8	17.1	17.3	17.6	17.8	17.9	18.1	18.3	18.3	18.5	18.9	19.0	19.2
≥ 20000	14.7	18.8	19.7	20.0	20.3	20.4	20.7	21.1	21.1	21.3	21.7	21.7	21.9	22.3	22.4	22.6
≥ 18000	14.8	18.9	19.8	20.1	20.3	20.5	20.8	21.1	21.2	21.5	21.8	21.8	22.0	22.4	22.5	22.7
≥ 16000	15.0	19.1	20.0	20.3	20.5	20.7	21.0	21.3	21.4	21.8	22.0	22.0	22.1	22.6	22.7	22.8
≥ 14000	15.1	19.2	20.1	20.3	20.6	20.8	21.1	21.4	21.5	21.9	22.0	22.0	22.2	22.7	22.8	23.0
≥ 12000	15.7	20.0	20.9	21.1	21.4	21.6	21.9	22.2	22.3	22.7	22.8	22.8	23.0	23.5	23.7	23.8
≥ 10000	16.1	22.9	23.8	24.1	24.4	24.6	24.8	25.2	25.3	25.6	25.8	25.8	26.0	26.4	26.6	26.8
≥ 9000	18.6	23.6	24.5	24.7	25.0	25.2	25.4	25.8	25.9	26.3	26.4	26.4	26.6	27.1	27.2	27.4
≥ 8000	21.0	26.7	27.9	28.4	28.9	29.0	29.4	29.7	29.8	30.2	30.4	30.4	30.6	31.1	31.4	31.5
≥ 7000	23.6	30.7	32.3	32.8	33.3	33.6	34.1	34.4	34.5	34.9	35.1	35.1	35.4	35.8	36.1	36.3
≥ 6000	25.4	34.1	35.8	36.4	36.9	37.2	37.6	38.0	38.1	38.7	38.9	38.9	39.2	39.6	39.9	40.1
≥ 5000	27.8	38.9	40.7	41.3	41.8	42.2	42.7	43.4	43.5	44.1	44.3	44.3	44.5	45.0	45.3	45.5
≥ 4500	29.3	41.5	43.3	44.0	44.5	45.0	45.5	46.1	46.2	46.9	47.0	47.0	47.3	47.8	48.2	48.4
≥ 4000	32.5	46.3	48.4	49.6	50.3	50.7	51.3	52.1	52.2	53.0	53.4	53.4	53.7	54.2	54.7	54.8
≥ 3500	34.6	50.2	52.9	54.0	54.9	55.5	56.3	57.2	57.3	58.2	58.5	58.5	58.8	59.3	59.8	60.0
≥ 3000	37.1	53.9	57.1	58.3	59.7	60.2	61.1	62.0	62.2	63.4	63.8	63.8	64.1	64.6	65.1	65.4
≥ 2500	38.1	56.9	60.4	61.6	63.5	64.1	65.1	66.0	66.3	67.6	67.9	67.9	68.2	68.7	69.3	69.5
≥ 2000	39.9	60.9	64.6	66.2	68.5	69.0	70.2	71.3	71.6	73.0	73.6	73.6	73.8	74.4	75.0	75.3
≥ 1800	40.3	62.0	65.7	67.4	69.8	70.3	71.0	72.8	73.0	74.5	75.0	75.0	75.3	75.8	76.4	76.7
≥ 1500	40.9	63.0	66.9	68.7	71.1	71.7	72.9	74.4	74.6	76.1	76.7	76.7	77.0	77.5	78.1	78.4
≥ 1200	40.9	64.2	68.5	70.4	73.0	73.6	75.1	76.5	76.9	78.4	79.0	79.0	79.3	79.8	80.5	80.7
≥ 1000	41.2	64.7	69.0	71.1	73.9	74.5	76.2	77.7	78.0	79.6	80.2	80.2	80.5	81.0	81.6	81.9
≥ 900	41.2	65.0	69.4	71.7	74.5	75.0	76.8	78.5	78.9	80.4	81.0	81.0	81.3	81.8	82.4	82.7
≥ 800	41.4	65.5	69.9	72.5	75.3	75.8	77.7	79.5	80.0	81.7	82.3	82.3	82.7	83.2	83.9	84.2
≥ 700	41.5	65.8	70.3	72.9	75.8	76.3	78.5	80.3	80.8	82.5	83.2	83.2	83.5	84.1	84.7	85.3
≥ 600	41.5	65.9	70.4	73.1	76.1	76.7	79.1	81.0	81.6	83.3	84.1	84.1	84.5	85.0	85.7	86.3
≥ 500	41.5	65.9	70.6	73.5	76.5	77.2	79.9	81.9	82.7	84.6	85.5	85.5	85.9	86.5	87.1	87.5
≥ 400	41.6	66.3	71.2	74.2	77.4	78.1	81.0	83.5	84.5	86.5	87.4	87.4	87.9	88.4	89.2	89.5
≥ 300	41.6	66.3	71.3	74.4	77.9	78.6	81.7	84.9	86.0	88.3	89.3	89.4	90.0	90.7	91.4	91.7
≥ 200	41.6	66.3	71.3	74.4	78.0	78.8	82.1	85.4	86.5	89.3	90.0	90.2	91.0	92.1	93.4	94.7
≥ 100	41.6	66.3	71.3	74.4	78.0	78.8	82.1	85.4	86.5	89.3	90.1	90.3	91.3	92.4	94.2	97.1
≥ 0	41.6	66.3	71.3	74.4	78.0	78.8	82.1	85.4	86.5	89.3	90.1	90.3	91.3	92.4	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1114

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39260-70
YEARS

FC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥½
NO CEILING	10.1	11.4	11.8	12.0	12.1	12.2	12.2	12.3	12.4	12.5	12.5	12.5	12.5	12.9	12.9	13.0
≥ 20000	15.1	17.0	17.5	17.7	17.7	17.7	18.0	18.2	18.3	18.5	18.5	18.6	19.0	19.0	19.2	19.7
≥ 18000	15.1	17.1	17.7	17.8	17.9	18.0	18.2	18.4	18.5	18.7	18.7	18.7	19.2	19.2	19.4	19.9
≥ 16000	15.8	17.8	18.4	18.5	18.6	18.7	19.0	19.2	19.3	19.5	19.5	19.5	20.1	20.1	20.3	20.9
≥ 14000	17.0	17.1	19.6	19.8	19.9	20.0	20.3	20.4	20.5	20.8	20.8	20.8	21.3	21.3	21.6	22.1
≥ 12000	16.4	20.5	21.1	21.4	21.5	21.7	22.0	22.1	22.2	22.5	22.5	22.5	23.0	23.0	23.3	23.9
≥ 10000	20.8	23.2	23.8	24.3	24.5	24.6	24.9	25.1	25.2	25.4	25.4	25.4	26.0	26.0	26.3	26.8
≥ 9000	22.0	24.8	25.5	26.0	26.2	26.3	26.6	26.8	26.9	27.2	27.2	27.2	27.7	27.7	28.1	28.5
≥ 8000	25.6	28.9	29.7	30.3	30.6	30.7	31.0	31.4	31.5	31.7	31.7	31.8	32.4	32.4	32.7	33.2
≥ 7000	29.8	33.6	34.5	35.0	35.4	35.6	35.8	36.3	36.4	36.6	36.6	36.7	37.4	37.4	37.6	38.2
≥ 6000	33.2	37.5	38.4	39.1	39.5	39.7	40.1	40.6	40.7	41.2	41.2	41.3	41.9	41.9	42.2	42.7
≥ 5000	35.9	41.5	42.6	43.2	43.7	43.9	44.5	45.1	45.2	45.8	45.8	45.9	46.5	46.5	46.8	47.3
≥ 4500	37.9	43.8	44.9	45.7	46.5	46.7	47.6	48.2	48.3	48.9	49.0	49.1	49.7	49.7	50.0	50.5
≥ 4000	41.6	49.0	50.4	51.4	52.5	53.0	54.2	55.0	55.1	55.8	55.9	56.0	56.6	56.6	56.9	57.4
≥ 3500	43.8	52.1	53.8	54.7	56.0	56.5	57.8	58.8	58.9	59.7	59.9	59.9	60.6	60.6	60.8	61.4
≥ 3000	46.8	53.9	57.7	58.8	60.3	60.8	62.4	63.4	63.4	64.3	64.6	64.8	65.5	65.5	65.8	66.4
≥ 2500	49.3	59.6	61.9	63.0	64.6	65.1	66.9	68.0	68.1	69.1	69.4	69.6	70.3	70.3	70.6	71.2
≥ 2000	51.4	62.5	65.1	66.4	68.5	69.2	71.2	72.4	72.6	73.6	73.9	74.2	74.9	74.9	75.2	75.8
≥ 1800	52.1	63.4	66.0	67.3	69.4	70.1	72.1	73.3	73.5	74.6	74.9	75.2	75.9	75.9	76.2	76.8
≥ 1500	52.6	64.7	67.5	68.8	71.1	71.9	74.1	75.3	75.5	76.7	77.1	77.3	78.1	78.1	78.4	79.0
≥ 1200	53.0	65.8	68.6	70.0	72.2	73.2	75.5	76.7	77.0	78.4	78.8	79.0	79.8	79.8	80.1	80.7
≥ 1000	53.1	66.8	69.8	71.2	73.7	74.9	77.2	78.5	78.8	80.4	80.7	81.0	81.8	81.8	82.1	82.7
≥ 900	53.1	67.1	70.4	71.9	74.3	75.8	78.2	79.5	79.7	81.4	81.7	82.0	82.8	82.8	83.1	83.7
≥ 800	53.2	67.3	70.5	72.0	74.5	76.2	78.7	79.9	80.2	81.8	82.4	82.7	83.5	83.5	83.8	84.4
≥ 700	53.2	67.6	71.0	72.5	75.0	76.7	79.3	80.7	81.0	82.6	83.2	83.6	84.4	84.4	84.7	85.3
≥ 600	53.2	67.7	71.1	72.8	75.6	77.3	80.2	81.7	82.0	83.6	84.3	84.7	85.5	85.5	85.8	86.4
≥ 500	53.2	67.7	71.3	73.2	76.2	78.0	81.2	82.7	83.0	84.7	85.4	85.8	86.6	86.6	87.2	88.0
≥ 400	53.2	67.8	71.4	73.5	76.6	78.7	82.1	84.1	84.5	86.5	87.2	87.5	88.5	88.5	89.2	90.1
≥ 300	53.2	67.8	71.4	73.6	76.7	79.1	82.8	85.2	85.7	88.4	89.9	90.2	91.4	91.8	92.2	93.7
≥ 200	53.2	67.8	71.4	73.6	76.7	79.1	82.8	85.2	85.8	88.9	90.9	91.2	92.6	93.4	94.1	97.1
≥ 100	53.2	67.8	71.4	73.6	76.7	79.1	82.8	85.2	85.8	88.9	90.9	91.5	92.8	93.9	95.0	99.6
≥ 0	53.2	67.8	71.4	73.6	76.7	79.1	82.8	85.2	85.8	88.9	90.9	91.5	92.8	93.9	95.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

32.60-70
YEARS

10
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	11.7	11.3	11.0	11.7	12.0	12.0	12.0	12.0	12.1	12.7	12.8	12.8	12.8	12.8	12.8	13.0
≥ 20000	10.6	17.8	17.0	13.1	18.4	18.4	18.5	18.5	18.6	19.4	19.4	19.4	19.4	19.6	19.6	19.8
≥ 18000	10.8	17.7	18.2	18.4	18.6	18.6	18.8	18.8	18.9	19.6	19.7	19.7	19.7	19.9	19.9	20.1
≥ 16000	12.4	18.3	18.7	18.9	19.2	19.2	19.4	19.4	19.5	20.3	20.3	20.3	20.3	20.5	20.5	20.7
≥ 14000	18.4	19.4	19.8	20.1	20.3	20.3	20.6	20.6	20.7	21.4	21.5	21.5	21.5	21.7	21.7	21.9
≥ 12000	20.3	21.6	22.0	22.3	22.6	22.6	22.8	22.8	22.9	23.7	23.8	23.8	23.8	24.0	24.0	24.2
≥ 10000	22.0	24.2	24.6	25.0	25.3	25.3	25.5	25.5	25.6	26.4	26.5	26.5	26.5	26.7	26.7	26.9
≥ 9000	24.1	25.8	26.4	26.8	27.1	27.1	27.4	27.4	27.5	28.3	28.4	28.4	28.4	28.6	28.6	28.9
≥ 8000	27.1	29.2	30.0	30.6	30.9	31.1	31.5	31.7	31.8	32.6	32.8	32.8	32.8	33.0	33.0	33.2
≥ 7000	30.2	33.1	34.0	34.8	35.1	35.3	35.8	36.2	36.3	37.1	37.3	37.3	37.3	37.5	37.5	37.6
≥ 6000	32.2	35.4	36.8	37.6	38.2	38.5	39.1	39.7	39.9	40.7	40.9	40.9	40.9	41.0	41.0	41.2
≥ 5000	35.7	40.6	42.3	43.5	44.3	44.6	45.3	46.0	46.1	47.0	47.2	47.2	47.2	47.4	47.4	47.6
≥ 4500	38.5	43.8	45.8	47.3	48.2	48.6	49.4	50.2	50.4	51.4	51.6	51.6	51.6	51.8	51.8	52.0
≥ 4000	40.5	47.8	50.1	51.9	53.2	53.6	54.7	55.6	55.7	56.8	57.0	57.0	57.0	57.2	57.2	57.3
≥ 3500	43.1	51.3	53.9	55.7	57.1	57.4	58.8	59.8	59.9	61.0	61.2	61.2	61.2	61.4	61.4	61.6
≥ 3000	45.7	54.9	57.8	59.8	61.3	61.7	63.3	64.2	64.4	65.6	65.8	65.8	65.8	65.9	65.9	66.1
≥ 2500	48.7	59.5	63.0	65.1	66.9	67.7	69.3	70.7	70.9	72.1	72.3	72.3	72.3	72.5	72.5	72.7
≥ 2000	52.4	64.1	67.7	70.1	72.1	72.9	74.7	76.6	76.9	78.1	78.4	78.4	78.4	78.6	78.6	78.8
≥ 1800	52.7	64.4	68.0	70.4	72.5	73.3	75.1	77.0	77.2	78.5	78.8	78.8	78.8	78.9	78.9	79.1
≥ 1500	53.9	66.7	70.5	73.2	75.5	76.3	78.2	80.1	80.6	81.8	82.2	82.2	82.2	82.3	82.3	82.5
≥ 1200	54.3	67.7	71.5	74.7	77.2	78.1	80.3	82.2	82.7	84.0	84.3	84.3	84.3	84.5	84.5	84.7
≥ 1000	54.7	69.0	72.9	76.2	78.9	79.7	82.0	84.0	84.5	85.8	86.2	86.3	86.3	86.5	86.6	86.8
≥ 900	54.8	69.5	73.6	76.8	79.5	80.6	82.9	84.9	85.5	86.7	87.2	87.3	87.3	87.5	87.6	87.8
≥ 800	54.8	69.6	73.9	77.5	80.2	81.3	83.7	85.8	86.3	87.5	88.2	88.3	88.3	88.4	88.6	88.8
≥ 700	54.9	70.1	74.4	78.0	80.6	81.7	84.1	86.4	86.9	88.3	88.9	89.0	89.0	89.2	89.3	89.5
≥ 600	55.0	70.3	74.6	78.2	80.9	82.2	84.8	87.1	87.6	89.1	89.7	89.8	89.8	90.1	90.2	90.4
≥ 500	55.0	70.4	74.8	78.5	81.6	83.0	85.9	88.4	89.2	91.1	91.9	92.1	92.1	92.4	92.6	92.8
≥ 400	55.0	70.5	75.0	78.7	82.1	83.5	87.0	89.7	90.4	92.8	93.8	94.0	94.0	94.4	94.5	94.8
≥ 300	55.0	70.5	75.0	78.7	82.3	83.9	87.4	90.5	91.2	93.9	95.3	95.9	96.2	96.8	97.1	97.5
≥ 200	55.0	70.5	75.0	78.7	82.3	83.9	87.4	90.5	91.3	94.0	95.5	96.2	96.8	97.3	98.1	98.3
≥ 100	55.0	70.5	75.0	78.7	82.3	83.9	87.4	90.5	91.3	94.1	95.6	96.3	96.9	97.4	98.2	98.7
≥ 0	55.0	70.5	75.0	78.7	82.3	83.9	87.4	90.5	91.3	94.1	95.6	96.3	96.9	97.4	98.2	98.7

TOTAL NUMBER OF OBSERVATIONS 1116

USAFETAC

FORM
PR 54

0 14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF

39,60-70
YEARS

1 FC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	11.7	13.1	13.5	13.9	14.0	14.1	14.2	14.2	14.2	14.5	14.6	14.6	14.6	14.6	14.7	14.9
≥ 20000	16.5	18.4	19.0	19.5	19.6	19.8	20.1	20.3	20.4	20.9	21.1	21.1	21.1	21.2	21.6	22.0
≥ 18000	16.6	18.5	19.1	19.6	19.7	19.9	20.2	20.4	20.5	21.0	21.1	21.1	21.2	21.3	21.7	22.0
≥ 16000	16.9	18.8	19.4	20.0	20.1	20.3	20.5	20.8	20.9	21.3	21.5	21.5	21.6	21.7	22.0	22.4
≥ 14000	16.4	20.5	21.1	21.7	21.9	22.0	22.3	22.6	22.7	23.1	23.3	23.3	23.4	23.5	23.8	24.2
≥ 12000	19.4	22.4	23.1	23.7	23.8	24.0	24.4	24.6	24.7	25.2	25.4	25.4	25.4	25.5	25.9	26.3
≥ 10000	21.2	24.3	25.1	25.7	26.0	26.2	26.5	26.8	26.9	27.3	27.5	27.5	27.6	27.7	28.0	28.4
≥ 9000	22.3	25.6	26.5	27.2	27.5	27.7	28.0	28.3	28.4	28.9	29.0	29.0	29.1	29.2	29.6	29.9
≥ 8000	25.1	29.0	30.3	31.0	31.5	31.8	32.4	32.7	32.8	33.2	33.5	33.5	33.6	33.7	34.1	34.4
≥ 7000	28.3	34.0	35.3	36.0	36.6	36.8	37.5	37.7	37.8	38.3	38.5	38.5	38.6	38.8	39.2	39.5
≥ 6000	30.8	36.9	38.4	39.1	39.6	39.9	40.6	40.9	41.0	41.5	41.8	41.8	41.8	42.0	42.4	42.7
≥ 5000	34.7	41.8	44.1	45.0	45.7	46.0	47.0	47.5	47.8	48.3	48.6	48.6	48.7	48.8	49.2	49.6
≥ 4500	36.4	44.1	46.7	47.7	48.6	48.9	50.2	50.7	51.0	51.7	52.0	52.0	52.1	52.2	52.6	53.0
≥ 4000	39.0	47.8	50.5	51.9	53.0	53.5	55.1	55.7	56.0	57.1	57.3	57.3	57.4	57.6	58.0	58.3
≥ 3500	40.3	50.6	53.8	55.5	57.0	57.5	59.3	60.3	60.6	61.6	61.9	61.9	62.0	62.2	62.5	62.9
≥ 3000	43.3	55.1	59.0	60.8	62.5	63.1	65.1	66.2	66.6	67.7	67.9	67.9	68.0	68.2	68.5	68.9
≥ 2500	46.3	60.4	65.1	67.1	69.2	69.8	72.3	73.7	74.0	75.4	75.6	75.6	75.7	75.9	76.3	76.6
≥ 2000	47.8	63.6	68.4	70.6	72.8	73.6	76.3	77.8	78.3	79.8	80.1	80.1	80.3	80.5	80.8	81.2
≥ 1800	48.6	64.3	69.1	71.5	73.7	74.6	77.3	78.9	79.4	80.9	81.2	81.2	81.4	81.5	81.9	82.3
≥ 1500	49.5	66.0	71.0	73.7	76.1	77.2	79.8	81.5	82.1	83.7	84.0	84.0	84.1	84.3	84.7	85.0
≥ 1200	50.4	67.9	72.9	75.8	78.9	80.2	82.9	84.6	85.2	86.9	87.2	87.2	87.4	87.5	87.9	88.4
≥ 1000	50.4	68.5	73.8	76.9	80.1	81.5	84.1	85.9	86.6	88.5	88.8	88.8	89.2	89.3	89.7	90.1
≥ 900	50.4	68.5	73.8	77.1	80.6	82.1	84.9	86.9	87.7	89.6	89.9	89.9	90.2	90.4	90.8	91.2
≥ 800	50.4	68.6	74.0	77.3	81.2	82.6	85.5	87.5	88.3	90.2	90.7	90.7	91.0	91.2	91.6	92.0
≥ 700	50.6	68.9	74.3	77.7	81.6	83.1	85.9	88.1	88.9	91.0	91.7	91.7	92.0	92.2	92.6	93.0
≥ 600	50.6	69.0	74.4	78.0	82.1	83.5	86.5	88.7	89.5	91.8	92.5	92.5	93.1	93.3	93.6	94.1
≥ 500	50.6	69.1	74.5	78.1	82.3	83.7	86.8	89.2	90.1	92.4	93.1	93.2	93.9	94.1	94.6	95.1
≥ 400	50.6	69.1	74.5	78.1	82.3	83.8	87.0	89.6	90.5	93.1	94.4	94.5	95.3	95.6	96.0	96.4
≥ 300	50.6	69.1	74.5	78.2	82.4	83.9	87.2	89.9	90.8	93.5	95.2	95.3	96.4	96.8	97.3	97.8
≥ 200	50.6	69.1	74.5	78.2	82.4	83.9	87.2	89.9	90.8	93.5	95.2	95.3	96.6	97.0	97.8	98.1
≥ 100	50.6	69.1	74.5	78.2	82.4	83.9	87.2	89.9	90.8	93.6	95.3	95.4	96.7	97.1	97.9	98.4
≥ 0	50.6	69.1	74.5	78.2	82.4	83.9	87.2	89.9	90.8	93.6	95.3	95.4	96.7	97.1	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1116

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

FFC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	12.5	16.5	17.4	18.0	18.6	15.7	19.1	19.7	19.8	20.0	20.1	20.2	20.4	20.4	20.6	20.7
≥ 20000	14.8	19.2	20.3	20.8	21.2	21.8	22.4	23.1	23.3	23.6	23.7	23.8	24.1	24.1	24.2	24.4
≥ 18000	14.8	19.2	20.3	20.8	21.6	21.8	22.4	23.1	23.3	23.6	23.7	23.8	24.1	24.1	24.2	24.4
≥ 16000	14.9	19.3	20.4	20.9	21.7	21.9	22.5	23.2	23.4	23.7	23.8	23.9	24.1	24.1	24.3	24.5
≥ 14000	15.9	20.7	21.8	22.4	23.2	23.3	24.0	24.6	24.9	25.1	25.2	25.3	25.6	25.6	25.8	25.9
≥ 12000	17.6	22.5	23.7	24.2	25.0	25.3	25.9	26.6	26.8	27.1	27.2	27.3	27.6	27.6	27.7	27.9
≥ 10000	19.7	25.0	26.5	27.0	27.9	28.2	28.8	29.4	29.7	30.0	30.2	30.3	30.5	30.5	30.7	30.9
≥ 9000	9.7	26.5	28.1	28.6	29.5	29.8	30.6	31.2	31.5	31.8	32.0	32.2	32.3	32.3	32.5	32.7
≥ 8000	23.4	30.8	32.7	33.4	34.4	34.6	35.5	36.1	36.4	36.6	36.8	36.9	37.2	37.2	37.4	37.6
≥ 7000	25.7	35.1	37.2	38.0	39.0	39.3	40.1	40.7	41.1	41.4	41.7	41.7	42.0	42.0	42.3	42.5
≥ 6000	27.7	38.6	40.8	41.7	42.6	43.0	44.0	44.6	45.0	45.2	45.5	45.6	46.0	46.0	46.3	46.5
≥ 5000	20.8	43.4	46.0	47.2	48.3	48.7	49.6	50.3	50.6	51.0	51.3	51.3	51.7	51.7	52.1	52.2
≥ 4500	32.0	45.6	48.6	50.1	51.6	52.0	53.3	54.0	54.4	54.8	55.1	55.3	55.6	55.6	55.9	56.1
≥ 4000	33.5	48.7	51.9	53.5	55.1	55.5	57.0	57.8	58.2	58.6	58.9	59.2	59.3	59.3	59.7	59.9
≥ 3500	35.5	52.2	55.8	57.0	59.5	60.1	61.7	62.7	63.0	63.5	63.7	63.9	64.2	64.2	64.5	64.7
≥ 3000	37.2	56.0	60.8	63.0	65.4	66.7	67.7	68.8	69.1	69.6	69.8	69.9	70.3	70.3	70.6	70.9
≥ 2500	39.2	61.1	67.1	69.8	72.5	73.2	75.3	76.4	76.8	77.2	77.5	77.6	77.9	77.9	78.3	78.5
≥ 2000	40.3	64.1	70.6	73.9	76.9	77.9	80.3	81.3	81.7	82.2	82.5	82.6	82.9	82.9	83.3	83.6
≥ 1800	40.7	64.7	71.2	74.5	77.6	78.5	80.9	82.0	82.3	82.9	83.1	83.2	83.6	83.6	83.9	84.1
≥ 1500	41.3	66.0	72.7	76.2	79.3	80.4	82.8	83.8	84.3	85.0	85.3	85.4	85.7	85.7	86.1	86.3
≥ 1200	41.8	67.4	74.3	78.2	81.2	82.4	84.9	86.1	86.5	87.3	87.5	87.6	88.0	88.0	88.3	88.5
≥ 1000	41.8	67.4	74.4	78.3	81.5	82.9	85.5	86.7	87.2	87.9	88.2	88.2	88.6	88.6	89.0	89.1
≥ 900	41.8	67.4	74.4	78.5	81.8	83.2	85.9	87.1	87.5	88.2	88.5	88.6	89.0	89.0	89.3	89.4
≥ 800	41.8	67.5	74.5	78.6	82.1	83.6	86.3	87.5	88.0	88.8	89.0	89.1	89.5	89.5	89.9	90.0
≥ 700	41.9	67.6	74.6	78.7	82.2	83.7	86.4	87.7	88.2	89.0	89.2	89.3	89.7	89.7	90.0	90.2
≥ 600	42.1	68.0	75.0	79.4	83.1	84.6	87.3	88.7	89.1	89.9	90.2	90.2	90.7	90.7	91.0	91.2
≥ 500	42.1	68.0	75.1	79.6	83.5	84.9	87.6	89.1	89.6	90.5	91.0	91.1	91.5	91.5	91.8	92.0
≥ 400	42.1	68.0	75.1	79.6	83.5	85.0	87.8	89.9	90.5	91.7	92.5	92.5	93.0	93.0	93.6	93.6
≥ 300	42.1	68.0	75.1	79.6	83.6	85.3	88.3	90.8	91.4	92.9	93.7	93.8	94.3	94.3	95.0	95.2
≥ 200	42.1	68.0	75.1	79.6	83.6	85.3	88.3	91.0	91.7	93.4	94.3	94.4	95.0	95.0	96.0	96.5
≥ 100	42.1	68.0	75.1	79.6	83.6	85.3	88.3	91.0	91.7	93.4	94.4	94.7	95.4	95.4	96.5	97.0
≥ 0	42.1	68.0	75.1	79.6	83.6	85.3	88.3	91.0	91.7	93.4	94.4	94.7	95.4	95.4	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1114

USAFETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70
YEARS

EC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .5	≥ .5	≥ 5/16	≥ .5	≥ 0
NO CEILING	13.9	18.6	16.9	19.7	20.5	20.6	21.0	21.9	21.9	22.4	22.4	22.5	22.9	23.1	23.2	23.4
≥ 20000	15.2	20.2	20.6	21.6	22.4	22.5	22.9	23.4	23.8	24.4	24.4	24.6	25.0	25.1	25.3	25.7
≥ 18000	15.2	20.2	20.6	21.6	22.4	22.5	22.9	23.4	23.8	24.4	24.4	24.6	25.0	25.1	25.3	25.7
≥ 16000	15.3	20.3	20.7	21.7	22.5	22.6	23.0	23.9	23.9	24.5	24.5	24.7	25.0	25.2	25.4	25.8
≥ 14000	16.1	21.4	21.8	22.9	23.6	23.7	24.1	25.0	25.0	25.6	25.6	25.8	26.2	26.4	26.6	26.9
≥ 12000	17.0	22.6	23.0	24.0	24.8	24.9	25.3	26.3	26.3	26.9	26.9	27.0	27.4	27.6	27.8	28.2
≥ 10000	20.0	26.2	26.7	27.7	28.7	28.7	29.3	30.3	30.3	30.8	30.8	31.0	31.4	31.6	31.8	32.2
≥ 9000	21.3	28.4	28.8	29.9	31.0	31.1	31.7	32.6	32.6	33.2	33.2	33.4	33.8	34.0	34.2	34.5
≥ 8000	22.8	31.3	31.9	33.2	34.3	34.4	35.0	36.0	36.0	36.5	36.5	36.7	37.1	37.3	37.5	37.9
≥ 7000	24.2	35.3	36.4	38.2	39.2	39.6	40.1	41.1	41.1	41.7	41.7	41.8	42.2	42.4	42.6	43.0
≥ 6000	26.6	38.5	39.8	41.7	43.0	43.1	43.6	44.6	44.6	45.2	45.2	45.4	45.7	45.9	46.1	46.5
≥ 5000	29.9	44.2	45.0	47.8	49.1	49.2	49.9	50.7	50.9	51.4	51.4	51.6	52.0	52.2	52.4	52.8
≥ 4500	31.2	46.3	47.7	50.3	51.9	52.0	52.8	53.7	53.7	54.4	54.4	54.6	54.9	55.1	55.3	55.7
≥ 4000	32.5	49.6	51.1	53.9	55.8	55.9	56.6	57.7	57.7	58.3	58.3	58.5	58.9	59.1	59.3	59.7
≥ 3500	35.5	53.6	55.8	58.7	60.7	60.8	61.7	62.8	62.8	63.5	63.5	63.7	64.0	64.2	64.4	64.8
≥ 3000	7.1	57.4	60.5	63.8	65.8	65.9	67.0	68.3	68.3	69.1	69.1	69.3	69.6	69.8	70.0	70.4
≥ 2500	38.6	61.1	65.0	68.6	71.1	71.3	72.6	74.3	74.4	75.3	75.4	75.6	76.0	76.2	76.4	76.8
≥ 2000	39.7	64.2	69.0	72.8	75.6	76.1	77.5	79.2	79.3	80.3	80.4	80.6	80.9	81.1	81.3	81.7
≥ 1800	39.9	64.8	69.5	73.3	76.2	76.7	78.1	79.8	79.9	80.8	81.0	81.2	81.6	81.8	82.0	82.4
≥ 1500	40.9	66.5	71.3	75.0	78.3	78.7	80.3	82.0	82.1	83.0	83.2	83.4	83.8	84.0	84.2	84.5
≥ 1200	41.1	67.3	72.3	76.2	79.5	80.1	82.0	83.7	83.8	84.7	84.9	85.1	85.5	85.7	85.9	86.3
≥ 1000	41.2	67.5	73.0	76.9	80.3	80.8	83.1	84.8	84.9	85.9	86.1	86.2	86.6	86.8	87.0	87.4
≥ 900	41.2	67.6	73.1	77.0	80.6	81.1	83.4	85.1	85.2	86.1	86.4	86.6	87.0	87.2	87.4	87.8
≥ 800	41.2	67.6	73.1	77.5	81.1	81.7	84.0	85.7	85.8	86.7	87.0	87.2	87.6	87.8	88.0	88.3
≥ 700	41.2	67.8	73.3	77.7	81.5	82.1	84.3	86.1	86.1	87.2	87.5	87.7	88.0	88.2	88.4	88.8
≥ 600	41.3	68.0	73.5	78.1	81.9	82.5	84.8	86.5	86.6	87.7	88.0	88.1	88.5	88.7	88.9	89.3
≥ 500	41.3	68.3	74.2	79.0	83.1	84.1	86.5	88.5	88.6	89.7	89.9	90.2	90.6	90.8	91.0	91.4
≥ 400	41.3	68.3	74.3	79.2	83.6	84.9	87.4	89.7	89.8	91.1	91.8	92.1	92.6	92.8	93.0	93.4
≥ 300	41.3	68.3	74.3	79.2	83.6	84.9	87.5	90.1	90.3	91.8	92.6	92.9	93.4	93.5	93.7	94.2
≥ 200	41.3	68.3	74.3	79.2	83.6	84.9	87.5	90.3	90.7	92.3	93.7	94.3	94.8	95.2	95.6	96.0
≥ 100	41.3	68.3	74.3	79.2	83.6	84.9	87.5	90.3	90.7	92.5	94.2	95.2	95.4	96.0	96.6	97.0
≥ 0	41.3	68.3	74.3	79.2	83.6	84.9	87.5	90.3	90.7	92.5	94.3	95.1	95.5	96.1	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1229

PART D

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

24201 FORT LEWIS WASHINGTON/GRAY AAF

60-70

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	5.2	1.9	2.3	2.1	2.5	1.5	2.1	3.5	4.9	4.1	70.1	8.5	7209
FEB		11.3	3.6	3.7	3.1	2.0	2.4	2.8	4.0	5.3	4.8	56.2	7.4	6563
MAR		13.2	4.1	3.6	3.1	2.5	1.9	2.8	4.3	6.2	6.0	52.3	7.1	6772
APR		8.0	2.5	3.4	3.8	3.3	3.1	3.3	5.8	8.5	5.1	52.5	7.5	6960
MAY		12.5	4.1	4.3	4.4	3.8	3.4	4.6	7.2	8.7	7.2	39.8	6.7	7126
JUN		18.5	6.1	4.8	4.1	3.0	2.9	3.9	6.0	7.4	6.6	36.1	6.0	7495
JUL		34.1	5.4	5.0	4.6	3.2	2.8	3.1	4.8	5.3	4.9	27.0	4.6	7749
AUG		27.5	5.2	4.9	4.2	3.2	2.6	3.6	4.6	5.9	5.7	32.6	5.3	7570
SEP		25.5	5.4	4.8	4.2	3.0	2.8	3.4	4.6	4.9	4.7	35.9	5.5	7495
OCT		10.5	3.9	4.2	4.1	3.7	2.9	3.2	5.2	7.0	5.8	49.5	7.1	7682
NOV		7.2	2.2	3.4	2.9	2.5	2.1	2.8	4.1	6.2	5.1	61.4	7.9	7311
DEC		4.8	1.4	2.3	2.3	2.5	1.9	2.4	3.3	4.3	4.7	70.2	8.5	7741
TOTALS		14.9	3.8	3.9	3.6	3.1	2.5	3.2	4.8	6.2	5.4	48.6	6.8	87671

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

24201 FORT LEWIS WASHINGTON/GRAY AAF

61-70

JAN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02	6.2	3.7	2.8	3.5	2.8	1.8	2.5	1.7	4.4	2.9	67.8	8.1	835
	03-05	7.6	3.6	3.1	1.4	2.5	.7	2.4	2.4	3.2	1.9	71.1	8.1	837
	06-08	5.5	1.8	3.2	2.3	2.8	1.7	1.6	2.3	3.0	4.4	71.4	8.4	929
	09-11	3.1	.4	1.5	1.2	1.7	1.1	1.7	4.7	5.4	6.0	73.1	8.9	929
	12-14	3.2	.6	1.2	1.3	1.0	1.4	1.1	4.6	6.6	5.4	73.0	8.9	929
	15-17	3.6	1.5	1.3	1.1	2.8	1.9	1.7	3.7	6.7	6.4	69.3	8.7	926
	18-20	5.3	1.2	2.0	2.8	3.3	1.7	2.6	3.5	5.6	3.0	68.9	8.4	927
	21-23	6.8	2.1	3.1	3.2	2.1	1.6	3.0	4.9	4.5	2.9	65.8	8.1	897

USAFETAC

FORM 095 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

61-70

FEB

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	10.4	4.1	4.1	3.4	2.1	2.0	2.6	2.1	4.5	2.8	56.0	6.9	762
	03-05	15.4	3.4	2.8	2.9	1.8	1.4	3.3	3.9	4.1	3.5	57.5	7.2	762
	06-08	10.4	3.8	4.4	3.0	2.4	2.1	2.2	3.4	4.6	6.0	57.7	7.5	846
	09-11	6.9	3.2	3.2	2.4	2.3	2.5	2.1	4.0	5.2	5.7	62.0	8.0	844
	12-14	6.3	2.8	3.0	2.7	2.8	1.3	3.4	4.6	6.2	7.5	59.3	8.0	843
	15-17	7.5	2.8	2.8	2.4	2.8	3.2	3.4	6.3	8.5	4.7	55.5	7.7	844
	18-20	9.6	4.3	5.1	3.8	4.1	4.4	3.1	4.3	5.7	5.1	50.6	7.1	844
	21-23	17.5	4.3	4.2	4.4	3.7	2.6	2.3	3.5	3.9	3.3	50.4	6.6	818
TOTALS		11.3	3.6	3.7	3.1	2.8	2.4	2.8	4.0	5.3	4.8	56.2	7.4	6563

SKY COVER

61-70

442

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	23.6	4.5	2.9	2.3	1.4	1.7	2.6	2.4	4.0	3.1	51.6	6.4	781
	03-05	20.0	3.7	3.2	3.2	3.2	1.2	2.2	3.3	4.7	3.7	51.5	6.6	780
	06-08	8.0	3.9	4.4	3.3	2.5	2.3	3.1	4.4	6.6	7.0	54.0	7.5	873
	09-11	5.9	3.8	2.7	3.4	2.0	1.5	3.0	5.9	5.7	6.5	58.8	7.9	874
	12-14	0.5	2.9	3.4	2.0	2.2	1.0	2.2	5.5	6.2	10.4	54.5	7.7	873
	15-17	8.7	4.5	2.2	3.3	3.3	2.3	1.8	3.6	10.0	9.5	50.9	7.5	873
	18-20	11.4	4.5	5.0	3.5	3.5	2.2	3.3	4.8	6.9	4.9	50.1	7.0	874
	21-23	18.7	5.1	4.9	3.1	1.7	2.7	4.0	4.4	5.7	2.5	47.3	6.4	844
TOTALS		13.2	4.1	3.6	3.1	2.5	1.9	2.8	4.3	6.2	6.0	52.3	7.1	6772

SKY COVER

61-70

APR

STATION

STATION NAME

PERIOD

MONIN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	17.0	3.7	5.5	4.2	4.1	2.4	2.1	5.0	6.2	3.0	46.4	6.5	809
	03-05	13.1	3.2	2.0	3.2	3.6	3.0	4.0	4.7	5.6	4.1	53.5	7.2	810
	06-08	6.3	2.8	4.1	4.6	2.9	1.8	2.8	4.8	6.1	5.0	58.9	7.8	896
	09-11	4.8	1.6	1.7	2.3	1.7	3.3	2.2	5.7	11.3	5.6	58.7	8.2	896
	12-14	5.1	1.2	2.7	2.3	2.2	2.7	4.0	7.0	11.9	7.0	53.6	8.0	896
	15-17	5.0	1.1	3.0	3.2	3.9	3.6	3.3	7.0	11.5	6.6	51.5	7.9	896
	18-20	5.6	2.5	2.9	4.6	4.3	3.3	3.7	6.1	9.3	5.8	52.0	7.7	897
	21-23	13.2	3.5	5.6	5.4	3.7	4.3	4.3	5.2	5.8	3.5	45.1	6.6	464
TOTALS		8.8	2.5	3.4	3.8	3.3	3.1	3.3	5.8	8.5	5.1	52.5	7.5	6960

USAFETAC

CRM

095 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

16Y

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02	27.4	6.0	4.9	3.9	3.3	2.5	3.4	5.3	5.1	3.8	34.6	5.3	800
	03-05	14.5	5.5	4.3	4.3	2.9	2.5	4.6	5.5	3.0	4.0	44.0	6.6	841
	06-08	7.6	3.4	3.3	4.2	3.2	3.0	3.3	5.2	7.0	9.0	50.5	7.5	929
	09-11	5.7	3.9	3.1	2.9	2.7	3.3	3.8	7.2	10.0	10.9	46.6	7.6	930
	12-14	6.6	1.5	3.2	4.0	3.7	3.8	7.0	8.6	11.0	9.5	41.2	7.4	929
	15-17	6.9	2.4	4.5	5.1	3.8	4.8	4.5	10.5	12.1	8.3	36.9	7.1	923
	18-20	10.1	3.9	5.3	5.0	5.7	4.5	4.3	9.3	9.2	7.1	35.7	6.6	928
	21-23	20.7	6.2	6.1	6.1	4.9	3.0	6.1	6.3	6.8	4.9	29.0	5.4	840
TOTALS		12.5	4.1	4.3	4.4	3.6	3.4	4.6	7.2	8.1	7.2	39.5	6.7	7126

FORM
4110-4-4

FORM 0-95 (OLI)

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DATA PROCESSING DIVISION
ETAC/USAF
AIP WEATHER SERVICE/MAC

SKY COVER

24201 FORT LEWIS WASHINGTON/GRAY AAF

60-70

JUN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	32.4	6.4	5.6	4.2	3.0	2.5	4.0	4.0	4.7	2.6	30.1	4.7	808
	03-05	16.4	5.7	4.6	4.4	4.1	2.5	4.7	4.4	7.5	5.9	39.8	6.3	870
	06-08	12.0	4.7	3.4	3.6	2.9	1.6	2.7	6.7	7.8	7.1	47.4	7.0	990
	09-11	13.1	3.9	4.3	3.4	3.2	2.5	3.1	5.7	9.2	8.4	43.0	6.9	989
	12-14	14.1	5.8	4.6	3.9	3.2	3.0	3.9	8.2	7.4	9.4	36.4	6.4	988
	15-17	17.2	6.7	3.1	3.6	3.1	4.1	5.1	6.5	9.1	8.3	33.2	6.1	990
	18-20	19.1	6.0	5.3	4.6	4.1	4.3	3.5	7.0	8.2	6.8	31.1	5.8	990
	21-23	23.8	9.5	7.2	5.3	4.6	2.9	4.3	5.4	4.9	4.0	28.0	4.9	870
TOTALS		18.5	6.1	4.8	4.1	3.8	2.9	3.9	6.0	7.4	6.6	36.1	6.0	7495

SKY COVER

JUL

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	50.5	3.9	4.8	3.7	2.0	2.4	1.7	3.2	3.9	3.6	20.2	3.4	837
	03-05	30.7	4.2	5.5	3.6	2.0	3.0	2.7	3.6	4.9	3.6	35.8	5.2	399
	06-08	21.8	6.3	3.6	3.7	2.5	1.7	2.2	4.3	4.3	4.4	45.3	6.1	1023
	09-11	25.0	4.7	3.8	3.5	3.1	2.9	2.7	4.8	6.7	6.7	35.9	5.7	1023
	12-14	29.8	3.8	4.7	4.5	3.6	4.7	4.8	6.5	7.0	6.6	23.9	4.9	1023
	15-17	33.0	6.1	4.5	6.5	4.0	2.0	4.6	6.5	6.5	5.7	19.9	4.4	1023
	18-20	36.9	6.4	6.0	6.0	4.1	3.7	3.5	5.3	5.6	4.7	17.5	3.9	1023
	21-23	44.1	7.5	6.9	5.1	3.0	2.0	2.7	3.7	3.6	3.6	17.4	3.3	896
TOTALS		34.1	5.4	5.0	4.0	3.2	2.8	3.1	4.8	5.3	4.9	27.0	4.6	7749

SKY COVER

60-70

446

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	42.0	5.6	5.0	3.0	2.9	1.7	2.4	2.6	3.9	2.4	28.5	4.1	762
	03-05	29.4	3.3	5.3	2.4	2.8	1.5	2.5	3.1	3.2	4.0	42.5	5.6	849
	06-08	18.0	3.4	4.1	4.2	2.2	1.5	2.0	3.9	5.7	6.1	48.4	6.6	1021
	09-11	20.7	4.8	3.0	2.9	2.4	2.9	3.0	5.3	7.1	6.6	41.1	6.3	1023
	12-14	23.4	4.0	3.7	4.7	2.8	3.7	5.1	7.5	6.2	9.1	29.2	5.6	1022
	15-17	24.9	5.1	4.3	6.5	4.1	3.2	5.2	5.9	8.6	7.9	24.5	5.2	1023
	18-20	25.6	7.6	6.2	6.9	4.6	4.0	4.2	4.6	7.2	5.6	23.3	4.8	1023
	21-23	35.3	7.4	7.6	3.5	3.5	2.2	4.6	3.9	5.3	3.5	23.0	6.2	847
TOTALS		27.5	5.2	4.9	4.2	3.2	2.6	3.6	4.6	5.9	5.7	32.6	5.3	7570

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

24201 FORT LEWIS WASHINGTON/GRAY AAF

60-70

SEP

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02	39.5	4.0	4.0	2.3	3.5	2.1	3.5	4.3	3.2	2.3	30.7	4.5	810
	03-05	29.5	3.8	4.5	4.6	2.9	2.2	2.3	2.9	3.8	3.1	40.5	5.5	869
	06-08	13.1	3.9	5.0	4.9	3.2	2.1	3.1	3.8	4.9	4.8	51.2	6.9	988
	09-11	18.3	4.9	2.7	3.7	3.7	2.5	3.0	4.7	5.3	6.9	44.3	6.5	989
	12-14	22.2	6.0	4.2	3.6	4.1	2.9	3.4	6.2	6.2	6.8	34.3	5.7	989
	15-17	22.2	7.2	5.3	4.4	4.4	4.0	3.0	5.1	8.7	5.8	29.9	5.4	990
	18-20	23.1	7.7	7.1	5.5	5.1	3.4	3.7	6.4	4.8	5.6	27.7	5.1	990
	21-23	36.3	5.2	5.7	4.5	3.4	3.0	5.1	3.6	2.2	2.2	28.9	4.4	870
TOTALS		25.5	5.4	4.8	4.2	3.8	2.8	3.4	4.6	4.9	4.7	35.9	5.5	7495

USAFETAC

FORM
JUL 64

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DATA PROCESSING DIVISION
 FTAC/USAF
 AIR WEATHER SERVICE/MAC

SKY COVER

24201 FORT LEWIS WASHINGTON/GRAY AAF

60-70

OCT

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	16.5	4.9	5.2	4.2	3.1	2.7	3.2	5.0	5.7	5.8	41.5	6.2	804
	03-05	12.9	3.7	3.0	4.3	3.4	2.7	3.0	4.4	6.2	5.2	30.5	7.0	854
	06-08	3.2	2.2	3.3	3.7	2.8	2.2	2.9	5.3	8.0	6.8	59.0	8.2	1022
	09-11	3.8	1.2	4.0	3.0	3.2	2.5	2.0	4.5	7.9	8.8	59.0	8.2	1023
	12-14	6.5	2.6	3.3	2.8	4.0	3.4	3.1	6.8	9.0	7.0	51.2	7.7	1023
	15-17	7.5	4.7	3.5	3.8	4.9	2.9	3.9	7.5	6.0	6.3	49.0	7.3	1023
	18-20	11.0	0.8	5.4	5.7	5.1	3.7	2.9	5.0	6.9	4.0	42.8	6.5	1023
	21-23	19.9	5.4	4.9	5.4	3.2	3.4	4.2	3.4	6.2	2.1	42.0	6.0	910
TOTALS		10.5	3.9	4.2	4.1	3.7	2.9	3.2	5.2	7.0	5.8	49.5	7.1	7682

SKY COVER

60-70

 λ_1, λ_2

STATION

STATION NAME

PERIOD

MONITORING

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	10.2	2.8	4.0	1.9	2.2	1.8	2.8	3.6	5.1	3.0	61.3	7.6	719
	03-05	9.9	2.0	4.0	3.2	2.6	1.9	3.5	4.0	5.0	2.8	60.2	7.6	718
	06-08	4.5	1.8	3.2	3.7	3.2	1.0	2.9	2.9	7.6	6.9	61.5	8.2	988
	09-11	3.2	1.4	2.5	3.3	1.9	1.6	2.0	4.1	7.0	5.7	67.0	8.5	990
	12-14	2.0	1.1	2.1	2.2	2.0	2.7	2.5	5.7	8.2	7.9	62.3	8.5	989
	15-17	4.0	2.7	2.9	2.3	2.0	1.5	3.7	4.6	8.3	7.1	60.1	8.2	990
	18-20	10.2	2.6	4.0	2.9	3.6	2.8	3.0	4.3	4.7	3.9	57.8	7.5	988
	21-23	12.2	2.8	3.9	3.7	1.5	2.5	2.0	3.9	3.7	3.0	60.9	7.4	929
TOTALS		7.2	2.2	3.4	2.9	2.5	2.1	2.8	4.1	6.2	5.1	61.4	7.9	7311

SKY COVER

21C

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	7.3	2.0	3.2	2.6	2.6	1.6	2.6	3.4	3.8	3.6	67.2	8.1	835
	03-05	8.0	1.3	3.0	2.4	2.5	1.9	2.9	3.0	3.5	2.3	68.7	8.1	837
	06-08	4.1	1.7	2.3	2.3	2.4	2.6	2.3	3.2	4.4	4.6	70.1	8.5	1021
	09-11	2.2	.5	1.7	2.0	2.3	1.0	2.3	2.8	6.5	7.5	71.2	8.9	1023
	12-14	2.8	1.0	1.3	1.1	1.0	1.8	2.2	4.4	4.9	7.1	71.9	8.9	1022
	15-17	2.3	1.4	1.8	2.3	2.0	1.5	2.5	3.5	4.6	5.4	72.9	8.8	1022
	18-20	4.7	1.6	2.3	2.4	3.7	2.3	1.9	3.1	3.7	2.8	71.4	8.4	1023
	21-23	6.0	1.4	3.0	3.2	2.6	2.6	2.6	2.9	2.8	3.9	68.4	8.2	960
TOTALS		4.8	1.4	2.3	2.3	2.5	1.9	2.4	3.3	4.3	4.7	70.2	8.5	7763

USAFETAC FORM 095 (OLI) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
- a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DAILY TEMPERATURES

USAF ETAC
AIR WEATHER SERVICE/ SAC

STATION 4201 FORT LEWIS WASHINGTON/GRAY AAF

39-40, 00-00

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

UNIT: IN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
95							0	1					2
90					6	3	3	4	3				1
85					2	4	13	14	2				1
80				1	4	12	28	25	7				6
75				2	10	27	50	48	15				13
70		7	1	7	22	46	72	71	41	7			22
65		1	3	12	45	71	92	93	71	20			35
60	1	0	14	27	66	92	99	99	95	50	5	1	47
55	0	17	34	59	87	93	100	100	99	85	30	7	61
50	21	52	63	90	97	99			100	98	63	25	76
45	47	82	91	99	100	100				100	85	56	83
40	7	97	98	100							91	77	95
35	91	99	100								100	92	97
30	9	100										97	99
25	9											97	99
20	100											99	100
15												100	100
MEAN	43.7	47.7	52.2	56.9	63.8	69.6	75.1	75.0	67	60.0	51.0	44.9	51.2
S D	7.282	5.944	6.595	6.818	8.402	7.906	7.878	3.009	6.5	7.56	5.715	7.426	12.375
TOTAL OBS	210	247	310	330	379	330	332	284	300	297	270	310	354

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DATA PROCESSING DIVISION
USAF ETAC

AIR WEATHER SERVICE/HAL

242 1 FORT LEWIS WASHINGTON/FRAY AAF
STATION STATION NAME

39-40, 50-60

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

DATE

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
65													
60													
55													
50		1.6	3.3	1.5	16.9	46.1	77.7	79.0	46.3	17.6	1.1	3.3	23.7
45	1.1	7.4	7.1	12.7	33.9	83.6	94.9	94.7	75.3	44.1	17.0	9.0	41.3
40	20.1	24.7	26.5	47.0	71.7	98.2	99.4	99.6	94.7	75.3	40.4	27.4	81.0
35	4.6	51.6	53.5	77.3	92.4	99.7	100.0	100.0	99.7	92.6	67.0	52.3	77.7
33	54.2	62.2	64.0	69.2	95.7	100.0			100.0	97.1	77.4	62.7	83.6
30	72.0	77.7	81.3	93.5	100.0					99.7	90.0	79.4	91.4
25	80.4	84.7	91.1	100.0						100.0	99.0	91.1	97.9
20	91.1	99.1	99.7								100.0	95.1	99.1
15	9.1	100.0	100.0									98.7	99.7
10	91.1											99.4	99.9
5	100.0											100.0	100.0
MEAN	37.1	34.4	35.3	35.6	40.8	45.7	52.2	52.0	45.7	43.4	37.7	34.7	41.9
S D	7.323	6.659	5.967	5.287	5.508	4.338	4.219	4.61	5.42	5.793	6.213	7.554	6.114
TOTAL OBS	310	203	310	330	427	380	332	244	203	294	271	210	314

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DATA PROCESSING DIVISION

USAF ETAC

AIR WEATHER SERVICE/MAC

24201 FORT LEWIS WASHINGTON/GRAY AAF

39-40, 60-69

STATION

STATION NAME

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP. (°)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
80							2.3						2.0
75						2.3	2.4	3.3					5.5
70					1.6	2.4	12.7	12.7	1.7				2.4
65					3.3	13.6	39.5	44.4	12.3				9.5
60				2.1	15.5	47.0	81.9	83.8	43.7	6.4	1.4		23.7
55	1.1	1.8	1.6	7.3	41.0	86.4	98.5	97.9	86.0	31.8	1.7		38.4
50	5.5	9.9	12.6	32.4	75.4	98.8	100.0	100.0	98.7	70.9	18.1	8.7	53.3
45	21.1	32.9	44.8	77.6	95.7	100.0			100.0	92.6	55.6	28.1	71.3
40	45.1	69.6	81.0	99.7	100.0					100.0	87.3	59.8	86.5
35	72.2	95.8	97.1	100.0							96.3	78.7	95.3
30	91.2	98.6	100.0								100.0	92.9	98.6
25	97.2	100.0										98.1	99.0
20	99.0											98.7	99.1
15	100.0											99.7	100.0
10												100.0	100.0
MEAN	30.6	42.3	44.0	47.9	53.5	59.4	63.9	64.1	59.0	52.0	44.3	40.0	50.9
S.D.	6.853	5.325	4.838	4.419	3.603	4.782	4.870	4.720	4.396	4.782	5.161	7.095	10.253
TOTAL OBS.	310	283	310	330	329	330	332	284	300	296	270	310	3464

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE
 (FROM DAILY OBSERVATIONS)

STATION: FORT LEWIS WASHINGTON/GRAY AAF 39-40, 60-69 YEARS
 STATION NAME

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1				80	89	82	94	93	94	70	64	64	
2	62	60	64	83	80	89							
3						82	93	90	82	68	60	60	
4	59	57	61	66	83	92	97	93	85	78	59	54	97
5	87	68	65	80	68	85	89	84	84	74	61	60	89
6	56	66	65	57	91	88	77	84	87			58	
7	54	56	71	63	61	76	83	85	76	71	57	54	65
8	53	58	67	76	75	85	92	90	77	73	61	62	92
9	53	63	70	73	79	84	82	88	82	74	63	55	88
10	55	59	61	63	64	87	87	95	91		59	54	
11	60	71	69	80	78	89	95		63	72	61	55	
12	52	54	72	67									
13													
14													
15													
16													
17													
18													
19													
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89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN	56.4	61.2	66.5	72.5	80.9	85.5	89.0	90.2	85.1	72.5	60.6	57.6	90.7
S.D.	3.062	5.593	3.951	7.381	6.690	3.984	6.616	5.286	4.383	3.023	2.127	3.717	4.349
TOTAL OBS.	310	203	310	320	310	330	210	279	360	248	270	310	359

EXTREME VALUES

24201	FORT LEWIS WASHINGTON/GRAY AAF	39-40, 60-62
STATION	STATION NAME	

[illegible]

DATA PROCESSING DIVISION
USAF ETAC
AIR FORCE SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

2421
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40, 60-69
YEARS

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
39				26	30	34	40	39	37	27	29	25	
40	10	24	27	30	30	37							
41						42	46	45	38	34	25	25	
42	24	33	30	29	36	43	50	50	37	33	24	21	21
43	10	16	26	34	34	42	42	46	43	35	30	20	17
44	9	30	27	29	32	45	45	47	42			23	
45	26	23	26	29	30	44	46	41	40	31	26	6	6
46	27	20	19	30	31	42	45	41	34	34	25	25	17
47	24	24	25	26	30	36	44	42	42	33	27	27	24
48	25	25	24	26	30	46	47	48	42		25	16	
49	17	21	30	29	36	43	46		42	16	31	7	
50	12	22	23	31									
51													
52													
53													
54													
55													
56													
57													
58													
59													
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87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
MEAN	19.2	24.4	25.7	29.2	32.5	41.4	45.1	44.3	39.7	32.9	26.9	19.5	16.0
S.D.	6.941	4.695	3.267	2.228	2.718	5.903	2.776	3.741	3.020	2.797	2.522	7.546	7.645
TOTAL OBS.	310	283	310	330	310	330	310	277	300	248	270	310	3500

EXTREME VALUES

24201
STATION

1000 LEWIS WASHINGTON/GRAY AAF
STATION NAME

38-40, 60-62

YEARS

[illegible]

PSYCHROMETRIC SUMMARY

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L, S, T)

[illegible]

USA:FETAC FORM 0-26 5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF

39-40,60-70

ALL
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																												AL 'B.	TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																			
30/ 29	.3	.9	.1	.0	.0													1256	1256	1738	3758																		
28/ 27	.2	.5	.1	.0	.0													819	819	1135	2519																		
26/ 25	.1	.3	.1	.0														449	449	616	1564																		
24/ 23	.0	.1	.0	.0														211	211	314	894																		
22/ 21	.0	.1	.0															109	109	207	492																		
20/ 19	.0	.1	.0															99	99	129	322																		
18/ 17	.0	.0	.0															67	67	84	232																		
16/ 15	.0	.0	.0															50	50	74	184																		
14/ 13	.0	.0	.0															38	38	39	143																		
12/ 11	.0	.0																25	25	40	110																		
10/ 9	.0	.0																15	15	22	103																		
8/ 7		.0																8	8	9	65																		
6/ 5	.0																	3	3	8	56																		
4/ 3																					52																		
2/ 1																						35																	
0/ -1																						43																	
-2/ -3																							21																
-4/ -5																							10																
-6/ -7																							2																
-8/ -9																							2																
TOTAL	6.3	33.9	22.2	12.5	8.2	5.9	4.1	2.7	1.7	1.1	.6	.3	.2	.1	.0	.0	.0	99624	99657	99624	99624																		
Element (X)	Σ x'					Σ x					Σ					Σ					No. Obs.					Mean No. of Hours with Temperature						Total							
Rel. Hum.	571555907					7335799					73.6					17,749					99624					≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		8760	
Dry Bulb	273367730					5077120					50.9					12,149					99657							465.1		906.1		431.6		141.2		3.7		8760	
Wet Bulb	221475338					4607856					46.3					9,155					99624							668.6		33.3		1.3				8760			
Dew Point	181602659					4161275					41.8					8,866					99624					7.1		1374.4		1.0		.3				8760			

USAFETAC FORM 0-26.5 (OL A) JUL 64

PSYCHROMETRIC SUMMARY

JAN 21 1964

YEARS

MONTH

ALL

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

24201

40,61-70

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

013

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

FE8

STATION

STATION NAME

5013

MONTH

PAGE 1

ALL

HOURS (L, S, T.)

[illegible]

USAFETAC 1 IRM 0265 (OLA) REVISED PREVIOUS EDITIONS C/P THIS FORM ARE OBSOLETE 11/11/94

PSYCHROMETRIC SUMMARY

24201	FORT LEWIS WASHINGTON/GRAY AAF	40,61-70
STATION	STATION NAME	

FEB
MONTH

PAGE 2

ALL

HOURS (L, S, T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point										
4 / 3																						5									
2 / 1																						1									
-4 / -5																						1									
TOTAL	11,444	4,225	210	9	4,4	2,0	1,3	.6	.1	.0									7268		7268										
																		7268		7268											
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total																			
Rel. Hum.	47089713	574481	79.015	2.11	7268	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																				
Dry Bulb	13293205	306115	42.1	7.421	7268		74.0	1.3				672																			
Wet Bulb	11514603	285435	39.3	6.476	7268		103.5					672																			
Dew Point	9583880	258194	35.5	7.526	7268	.1	224.9					672																			

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

40,61-70
YEARS

MAR
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	C.B. W.3.	Dry Bulb	Wet Bulb	Dew Point			
72/ 71									.0	.0								4	4					
70/ 69									.1	.0								9	9					
68/ 67									.0	.0								7	7					
66/ 65								.0	.1	.1	.0							15	15					
64/ 63						.1	.1	.2	.2	.1	.1							50	50					
62/ 61			.0	.0	.1	.2	.2	.1	.1	.1								69	69					
60/ 59			.0	.1	.3	.4	.3	.2	.1									106	106					
58/ 57		.0	.1	.2	.6	.6	.4	.3	.0									169	169	1				
56/ 55		.1	.2	.4	.7	.9	.4	.1										226	226	10				
54/ 53	.0	.2	.5	1.0	1.0	.5	.3	.0										286	286	61	8			
52/ 51	.0	.6	1.4	1.3	1.5	.7	.2	.0										450	450	126	17			
50/ 49	.1	1.7	2.5	2.0	1.4	.7	.3	.1										694	694	299	63			
48/ 47	.3	2.7	2.4	2.0	1.3	.3	.1	.0										731	731	583	173			
46/ 45	.6	3.5	3.1	2.6	1.0	.2	.1											884	884	812	364			
44/ 43	.6	4.2	3.7	1.5	.4	.1	.1											839	839	924	498			
42/ 41	.4	4.7	2.9	1.0	.3	.1												744	744	1014	562			
40/ 39	.5	4.7	2.6	.5	.1	.1												678	678	1095	816			
38/ 37	.7	4.5	1.3	.2	.1													534	534	873	946			
36/ 35	.6	3.8	.8	.1	.1													423	423	648	942			
34/ 33	1.1	3.3	.3	.1														381	381	552	914			
32/ 31	.8	2.8	.1	.1														293	293	424	810			
30/ 29	.5	2.1	.1	.0														221	221	265	675			
28/ 27	.3	.7	.2															93	93	161	467			
26/ 25	.1	.4	.0															39	39	74	289			
24/ 23	.0	.1	.1															13	13	22	158			
22/ 21		.1																6	6	10	90			
20/ 19		.0																1	1	6	51			
18/ 17																				1	47			
16/ 15																					15			
14/ 13																					19			
12/ 11																					13			
10/ 9																					13			
8/ 7																					10			
6/ 5																					5			
Element (X)	ΣX ²			ΣX			X̄			σ _x			No. Obs.			Mean No. of Hours with Temperature								
Rel. Hum.																≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

MAP
MONTH
ALL
HOURS (L. S. Y.)

PAGE 2

[illegible]

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF
STATION STATION NAME

39-40,61-70
YEARS

APR
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL												
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
84/ 83												.0						1	1															
82/ 81											.0							1	1															
80/ 79										.0	.0	.0	.0					7	7															
78/ 77										.0	.0	.0		.0				8	8															
76/ 75							.0	.0		.1								8	8															
74/ 73							.0	.0	.1	.0		.0						17	17															
72/ 71							.0	.2	.1	.0		.0						30	30															
70/ 69							.1	.2	.1	.0	.0							39	39															
68/ 67				.0	.0	.1	.2	.2	.0	.0	.0							44	44															
66/ 65				.0	.0	.2	.3	.2	.1	.0								72	72															
64/ 63					.1	.4	.2	.2	.1	.0								97	98	2														
62/ 61				.0	.2	.5	.4	.3	.1	.0								136	136	7														
60/ 59		.0	.0	.2	.4	.7	.4	.3	.1									177	177	16														
58/ 57		.1	.1	.4	.9	.9	.8	.2	.0									289	289	52	2													
56/ 55	.0	.3	.4	.9	1.8	1.3	.5	.1	.1									458	458	113	10													
54/ 53	.1	.9	.9	1.9	1.8	1.2	.4	.0										592	592	189	32													
52/ 51	.2	1.4	1.8	2.5	2.2	1.1	.2	.0										786	786	315	102													
50/ 49	.4	2.0	3.7	2.8	1.6	.7	.1											951	951	565	200													
48/ 47	.4	3.5	3.4	2.5	1.3	.2												944	944	946	288													
46/ 45	.5	4.0	3.7	1.9	.5	.1												897	897	1252	512													
44/ 43	.4	4.0	4.2	1.2	.1													832	832	1202	797													
42/ 41	.6	3.8	2.9	.6	.0													662	662	1133	957													
40/ 39	.6	3.3	2.0	.1														513	513	1089	1026													
38/ 37	.5	2.6	.6	.0														310	310	640	1067													
36/ 35	.5	1.9	.5															242	242	396	1075													
34/ 33	.3	1.3	.2															155	155	240	853													
32/ 31	.2	.9	.0															99	99	146	606													
30/ 29	.1	.5																53	53	92	430													
28/ 27		.1																6	6	27	246													
26/ 25		.0																2	2	6	136													
24/ 23																					59													
22/ 21																					20													
20/ 19																					11													
16/ 15																					2													
Element (X)	Σ X ²				Σ X				X̄				σ _x				No. Obs.				Mean No. of Hours with Temperature													
Rel Hum.																					≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

APR

STATION

STATION NAME

YEARS

MONIM

PAGE 2

ALL

HOURS (L. S. T)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,61-70
YEARS

YEARS

PAGE 1

MAY
MONTH
ALL
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
92/ 91											.0				.0			1	1				
90/ 89											.0				.0			6	6				
88/ 87										.0	.0	.0	.0	.0				11	11				
86/ 85										.0	.0	.0	.0	.0				12	12				
84/ 83										.0	.0	.1	.1	.0				20	20				
82/ 81									.0	.0	.1	.1	.0					23	23				
80/ 79									.1	.2	.2	.1						44	44				
78/ 77							.0	.0	.2	.2	.1	.0	.0					47	47				
76/ 75						.0	.1	.2	.2	.3	.0							70	70				
74/ 73						.0	.1	.2	.3	.3	.1							81	81				
72/ 71					.0	.1	.3	.4	.5	.1	.0							121	121				
70/ 69			.0	.0	.0	.4	.5	.5	.4	.0	.0							166	166	4			
68/ 67			.0	.0	.1	.4	.6	.8	.4	.1								202	202	4			
66/ 65			.0	.1	.4	.9	1.4	.7	.4	.0								335	335	17			
64/ 63		.0	.0	.2	.7	1.3	1.1	.5	.1									338	338	39	1		
62/ 61		.0	.1	.5	1.0	1.4	1.0	.4	.1									394	394	107			
60/ 59		.1	.4	1.2	1.5	1.6	.8	.2	.0									522	522	188	18		
58/ 57		.2	1.1	1.4	1.8	1.5	.7	.1	.0									590	590	292	15		
56/ 55	.0	.8	1.9	2.1	2.4	1.2	.4	.1										771	771	490	45		
54/ 53	.0	1.0	2.1	2.3	1.7	.6	.1	.0										724	724	743	160		
52/ 51	.2	2.3	2.4	2.0	1.3	.4	.0											816	816	932	392		
50/ 49	.4	2.8	3.4	2.3	.8	.1	.0											848	848	1120	623		
48/ 47	.2	2.6	3.1	1.6	.3	.0												675	675	1104	780		
46/ 45	.5	2.6	2.8	1.0	.0													595	595	1129	934		
44/ 43	.2	2.3	1.8	.3														403	403	872	1075		
42/ 41	.3	2.1	1.2	.1														315	315	659	1110		
40/ 39	.2	1.7	.0															212	212	414	1043		
38/ 37	.2	.9	.1															100	100	241	822		
36/ 35	.3	.9	.1															110	110	129	713		
34/ 33	.1	.4	.0															43	43	61	415		
32/ 31	.1	.2																24	24	45	255		
30/ 29		.0																2	2	10	123		
28/ 27																				1	59		
26/ 25																					14		
Element (X)	Σx^2		Σx		\bar{x}		σ_x		No. Obs		Mean No. of Hours with Temperature							Total					
Pel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OL A) 1 JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

447

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JUN

STATION

STATION NAME

YEARS

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PAGE 1

611

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

443

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USAFETAC
FORM 0-26-5 (OL A)
JUL 64

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PSYCHROMETRIC SUMMARY

39-40, 60-70

STATION

STATION NAME

YEARS

24 MONTH

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USAFETAC 1.00M 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 04

PSYCHROMETRIC SUMMARY

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HOURS (L, S, T.)

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USAI TAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

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0000-0200
HOURS (L. S. T.)

[illegible]

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201
STATE

FORT LEWIS WASHINGTON/GRAY ADI

39,69-70

AUG
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201	FORT LEWIS WASHINGTON/GRAY AAF	39,60-70
STATION	STATION NAME	

AUG
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF 39,60-70

STATION

STATION NAME

YEARS

AUG

MONTH

PAGE 1 0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
90/ 89												.1						1	1						
88/ 87								.1				.2						3	3						
86/ 85												.2						2	2						
84/ 83									.2	.2	.3							7	7						
82/ 81									.3	.4	.1							4	4						
80/ 79							.1	.2	.3	.5	.2							17	17						
78/ 77							.3	1.0	.5	.6								24	24						
76/ 75						.1	.8	1.1	.5	.6								28	28						
74/ 73						1.1	.9	1.7	.4	.1								47	47	1					
72/ 71			.2	.4	1.3	2.2	.4	.4	.2									53	53						
70/ 69			.2	.1	1.4	2.1	3.0	.4	.2									62	62	1					
68/ 67				.3	2.5	4.4	1.8	.4										108	108	5	1				
66/ 65			.4	3.7	4.7	3.1	1.4	.1										150	150	23	1				
64/ 63		.1	1.3	4.9	5.4	2.8	.4											166	166	38	2				
62/ 61		.9	3.4	4.7	4.7	1.4												170	170	97	6				
60/ 59		1.6	3.6	4.2	1.7	.3												127	127	192	20				
58/ 57	.1	1.2	1.8	2.8	.8													74	74	266	96				
56/ 55		.9	1.1	.9	.3													35	35	232	145				
54/ 53		.3	.3	.2														8	8	156	192				
52/ 51			.1															1	1	61	204				
50/ 49		.1																1	1	20	186				
48/ 47																				4	113				
46/ 45																					97				
44/ 43																					37				
42/ 41																					13				
40/ 39																					1				
TOTAL	.1	5.0	12.2	22.2	21.9	16.5	10.8	5.5	3.1	1.8	.5	.4						1116	1116	1116	1116				
																					</				

USAFETAC FORM 0-26-5 (2) A
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

24201

FORT LEWIS WASHINGTON/GRAY AAF

39,60-70

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B	W.B	Dry Bulb	Wet Bulb	Dew Point											
96/ 95															.1	.2		3		3													
94/ 93															.1	.1		2		2													
92/ 91												.1	.1	.3				5		5													
90/ 89												.3	.6	.1				11		11													
88/ 87											.1	.5	.4		.1			13		13													
86/ 85									.1	.3	1.3	.5	.4		.2			31		31													
84/ 83								.1	.1	.8	1.3	.4	.2	.1				37		37													
82/ 81							.1	.1	.8	1.0	.4	.4						32		32													
80/ 79							.3	1.1	1.2	1.3	.4							47		47													
78/ 77							.4	1.2	2.4	1.7	.4							68		68													
76/ 75					.1	.4	1.5	3.1	1.7	.8								86		86													
74/ 73					.3	1.3	2.8	2.9	.8	.2								92		92													
72/ 71					.2	2.2	4.4	2.1	1.3									114		114													
70/ 69			.1	.2	1.1	2.7	3.6	1.3	.2									102		102	5												
68/ 67			.1	.9	3.0	5.5	2.4	.5	.1									139		139	23												
66/ 65			.3	2.1	3.2	3.9	2.0	.4										131		131	96												
64/ 63		.4	.9	1.9	2.9	1.7	.6	.1										95		95	111	3											
62/ 61	.1	.1	1.1	1.6	1.0	1.1	.2											57		57	195	17											
60/ 59		.7	1.1	.6	.4	.1												32		32	235	29											
58/ 57		.6	.4	.2														13		13	220	88											
56/ 55		.2	.1	.2														5		5	144	136											
54/ 53			.1															1		1	64	193											
52/ 51																					19	218											
50/ 49																					4	168											
48/ 47																						94											
46/ 45																						63											
44/ 43																						51											
42/ 41																						23											
40/ 39																						7											
38/ 37																						2											
36/ 35																						3											
34/ 33																						1											
TOTAL	.1	2.1	4.0	7.6	12.0	18.9	18.2	12.8	9.0	6.1	4.0	2.3	1.7	.4	.4	.3		1116		1116	1116	1116											
Element (X)	Σ x ²		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature											Total											
Ref. Hum.	3214355		57723		51.7		14.354		1116		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total										
Dry Bulb	5710342		79402		71.1		7.396		1116						65.2		75.6		13.5		.4		93										
Wet Bulb	3974564		66476		59.6		3.647		1116						2.3								93										
Dew Point	2966476		57314		51.4		4.544		1116														63										

USAFETAC FORM 0-26-5 (JUL 64) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF
STATION STATION NAME

39,60-70
YEARS

AUG
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
98 / 97																		.2	7	2					
96 / 95														.1	.2	.3		6	6						
94 / 93													.1	.1	.5			8	8						
92 / 91													.3	.3		.1		7	7						
90 / 89										.2	.4	1.0	.3	.1				22	22						
88 / 87										.2	.4	.7	1.1	.3	.4	.1		34	34						
86 / 85									.2	.4	.8	.7	.5	.4	.1			32	32						
84 / 83									.1	1.2	.9	.8	.1	.1				35	35						
82 / 81							.1	.1	.9	1.7	1.0	.4	.1					47	47						
80 / 79							.5	1.6	2.2	1.3	.4							69	69						
78 / 77						.1	.7	1.8	1.8	2.1	.8							77	77						
76 / 75					.1	.3	2.0	2.9	1.4	2.0	.3							99	99						
74 / 73					.3	1.2	1.6	2.8	1.8	1.9								102	102						
72 / 71				.2	.7	1.9	3.9	1.8	.7	.2								104	104	1					
70 / 69		.1	.1	.9	3.5	3.0	1.8	.7	.1									114	114	9					
68 / 67			.2	.4	2.2	3.7	1.7	1.5	.2	.2								111	111	34					
66 / 65		.1	.2	1.7	1.3	1.4	1.3	.4										71	71	99	1				
64 / 63		.3	.8	1.0	1.3	1.4	.3	.3										66	66	143	3				
62 / 61		1.1	.6	2.9	.2	.2												51	51	181	14				
60 / 59	.1	1.1	1.7	.8	.4	.2												45	45	264	41				
58 / 57		.4	.4	.1	.1													12	12	178	84				
56 / 55			.2															2	2	132	142				
54 / 53																				56	168				
52 / 51																				16	173				
50 / 49																				3	142				
48 / 47																					108				
46 / 45																					105				
44 / 43																					50				
42 / 41																					41				
40 / 39																					23				
38 / 37																					10				
36 / 35																					3				
34 / 33																					3				
32 / 31																					3				
Element (X)	ΣX ²		ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

YEARS

39,60-70

AUG.
MONTH

PAGE 2

1500-1700
HOURS (L. S. T.)

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USAFETAC FORM 0.26-5 (01 *)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

PSYCHROMETRIC SUMMARY

AUG

MONTH

PAGE 1 1800-2000
HOURS (L. S. Y.)

USAFETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF

39,60-70

AUG

STATION

STATION NAME

YEARS

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PAGE 1

2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
82/ 81											.1							1	1		
78/ 77									.3									3	3		
76/ 75								.2	.3	.1								6	6		
74/ 73					.2	.2	.3	.3	.3	.2								12	12		
72/ 71				.2	.2	1.4	.6	.1	.1									26	26		
70/ 69			.1	.2	.3	.4	1.0	.2	.4	.2								27	27		
68/ 67			.1	.7	1.8	2.6	1.6	.3	.1									72	72		
66/ 65		.1	1.2	2.7	1.7	2.9	1.2	.3										96	96	2	
64/ 63		.6	1.7	4.5	3.3	1.4	.7	.2										117	117	16	2
62/ 61		.9	5.6	5.8	3.3	1.1	.9											165	165	49	11
60/ 59	.3	2.1	6.0	6.9	1.4	.2												159	159	103	16
58/ 57	.3	4.1	3.4	3.9	1.0													124	124	205	57
56/ 55		2.0	2.3	1.6	.4													62	62	237	124
54/ 53		1.2	1.0	.9	.2													38	38	151	147
52/ 51		.7	.7	.3														19	19	91	147
50/ 49		.4	.3	.1														10	10	55	145
48/ 47		.1	.1	.1														3	3	19	118
46/ 45			.1															1	1	10	53
44/ 43																				2	52
42/ 41																				1	25
40/ 39																					13
38/ 37																					8
36/ 35																					2
34/ 33																					1
TOTAL	.6	12.3	24.1	28.2	13.9	9.1	7.1	2.2	1.0	.6	.1							941	941	941	941
Element (X)	Σx²		Σx		x̄		s²		s		N. Obs.		Mean No. of Hours with Temperature								Total
Rel. Hum	4761663		65599		69.7		14.166		3.77		941		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			93
Dry Bulb	3587677		57865		61.5		5.093		2.27		941				14.5	2.2	.1				93
Wet Bulb	2910687		52231		55.5		3.537		1.88		941										93
Dew Point	2428046		47886		50.9		4.750		2.18		941										93

USAFETAC FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF 39,60-70

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STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. F.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9	10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
92/ 91																.0				1	1			
90/ 89																.0				2	2			
88/ 87												.0			.0	.0				4	4			
86/ 85											.0	.0	.0	.0		.0				9	9			
84/ 83										.0	.0	.1	.1	.0	.0	.0				27	27			
82/ 81									.0	.1	.1	.1	.1	.0	.0					40	40			
80/ 79			.0	.0		.0	.0	.0	.1	.2	.2	.0	.0	.0						46	46			
78/ 77			.0				.0	.2	.3	.4	.1	.0								80	80			
76/ 75			.0		.0	.1	.2	.4	.5	.2	.1	.0								133	133	2	1	
74/ 73		.0			.0	.1	.6	.5	.2	.2	.1	.0								143	143	3	2	
72/ 71				.0	.1	.7	.6	.6	.4	.1	.0									209	209	2	3	
70/ 69			.0	.2	.5	.8	.9	.7	.3	.0										279	279	3	1	
68/ 67			.1	.3	1.2	1.3	1.0	.3	.1											349	349	15		
66/ 65		.1	.3	.9	1.3	1.4	.9	.5	.1		.0									456	456	41	2	
64/ 63		.4	1.0	1.6	1.6	1.3	.9	.2	.0	.0	.0									575	575	155	8	
62/ 61	.0	.9	2.0	2.0	1.7	1.3	.6	.0	.1	.0										706	706	383	61	
60/ 59	.1	2.1	3.1	2.2	1.8	.9	.2	.1	.0											873	873	638	134	
58/ 57	.1	3.6	3.7	2.0	1.2	.3	.1	.1												908	908	946	324	
56/ 55	.4	4.3	3.1	2.1	.8	.2	.0	.0												960	960	1279	736	
54/ 53	.5	3.2	2.7	1.2	.4	.1	.0													667	667	1207	996	
52/ 51	.4	2.6	2.1	.9	.0	.0														512	512	1052	1074	
50/ 49	.3	2.5	1.7	.5	.1															431	431	820	1027	
48/ 47	.4	1.7	1.2	.3	.0															298	298	616	900	
46/ 45	.4	1.4	.9	.1																202	202	420	882	
44/ 43	.4	1.2	.3	.0																163	163	266	673	
42/ 41	.3	.9	.2																	88	88	173	521	
40/ 39	.2	.4	.1																	55	55	96	358	
38/ 37	.0	.2																		24	24	45	219	
36/ 35		.1	.0																	11	11	15	114	
34/ 33		.0																		2	2	9	64	
32/ 31		.0																		2	2	7	33	
30/ 29																						2	15	
28/ 27																							15	
26/ 25																							11	
Element (X)	Σx^2		Σx		\bar{x}		σ_x		No. Obs.		Mean No. of Hours with Temperature													
Ref. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC FORM 0.26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF 39,60-70

MOV
MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point					
66/ 65								.0										1	1							
64/ 63		.0	.0		.0	.0		.0	.0									23	23							
62/ 61		.0		.1	.0	.1	.1	.0										47	47	1						
60/ 59		.0	.1	.2	.1	.1	.0	.0										121	121	2	2					
58/ 57		.2	.2	.3	.3	.2	.0	.0										214	214	3	1					
56/ 55	.0	.0	.7	.6	.5	.2	.1											385	385	53	16					
54/ 53	.1	1.4	1.7	1.0	.6	.1	.0											557	557	109	49					
52/ 51	.3	2.7	2.2	1.4	.3	.1												860	860	300	107					
50/ 49	.8	4.7	3.6	1.2	.3	.0												989	989	567	359					
48/ 47	.8	6.2	3.6	1.2	.2	.0												989	989	821	518					
46/ 45	1.2	7.4	2.7	.8	.2													989	989	1210	738					
44/ 43	1.1	5.8	2.5	.5	.0													796	796	1052	900					
42/ 41	1.1	5.1	1.7	.3														714	714	852	1039					
40/ 39	1.1	4.6	1.6	.1														596	596	765	875					
38/ 37	1.2	4.0	.8	.0														534	534	651	749					
36/ 35	1.5	3.6	.2	.0	.0	.0												432	432	614	767					
34/ 33	1.1	3.1	.0	.0	.0													341	341	417	660					
32/ 31	.6	1.6	.1	.1	.0													191	191	267	504					
30/ 29	.4	1.1	.0	.0	.0													133	133	158	340					
28/ 27	.3	.6																74	74	110	184					
26/ 25	.3	.2																37	37	68	118					
24/ 23	.0	.0																2	2	15	65					
22/ 21																					15					
20/ 19																					2					
18/ 17																					4					
16/ 15																					2					
14/ 13																					2					
12/ 11																					3					
10/ 9																					2					
8/ 7																					1					
6/ 5																					5					
4/ 3																					2					
2/ 1																					2					
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature										Total					
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total			
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

NGV

MONTH

PAGE 2

ALL

HOURS (L, S, T.)

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USAF/AFMPC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF 39,60-70

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63					.0	.0												2	2		
62/ 61				.0	.0	.0												3	3		
60/ 59				.1	.1	.0												18	18		
58/ 57			.0	.2	.0	.0	.1	.0										32	32	1	
56/ 55		.1	.3	.1	.2	.0	.1											66	66	2	
54/ 53		.4	.6	.4	.2	.0												158	158	29	2
52/ 51		1.5	1.0	.0	.1	.0	.0											328	328	105	22
50/ 49	.2	2.2	2.4	.0	.1	.0		.0										464	464	254	112
48/ 47	.6	3.7	2.5	.9	.2	.0												678	678	500	300
46/ 45	.5	5.3	2.7	.8	.1	.0												808	808	725	443
44/ 43	1.0	5.2	3.1	.6	.0													841	841	797	644
42/ 41	1.0	5.0	2.5	.5	.1													770	770	892	766
40/ 39	1.1	5.9	2.3	.2	.0													818	818	864	743
38/ 37	.8	6.5	1.3	.2														756	756	835	844
36/ 35	1.6	5.7	1.2	.2	.0													748	748	888	937
34/ 33	1.4	5.1	.9	.1														637	637	694	830
32/ 31	1.5	3.4	.5	.1														464	464	696	681
30/ 29	1.2	2.4	.2	.0														322	322	432	637
28/ 27	.7	1.7	.1															212	212	327	484
26/ 25	.5	.8	.0	.0														116	116	159	336
24/ 23	.2	.4	.0	.0														58	58	69	247
22/ 21	.2	.2	.1															43	43	57	134
20/ 19	.2	.3	.1															40	40	29	89
18/ 17	.1	.2	.0															30	30	40	55
16/ 15	.1	.2	.0															24	24	23	33
14/ 13		.2	.0															21	21	20	30
12/ 11	.0	.2																14	14	23	13
10/ 9		.1																7	7	11	12
8/ 7		.1																8	8	9	13
6/ 5	.0																	3	3	8	19
4/ 3																					16
2/ 1																					10
0/ -1																					54
-2/ -3																					5
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JUL 64

USAFETAC

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24201
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FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70

YEARS

DEC
MONTH

PAGE 2

ALL

HOURS (L, S, T.)

USAFETAC FORM 0-26-5 (OL A) REVISÉ PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
MIL 04

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF 40,61-69

JAN
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
56/ 55				.4														4	4					
54/ 53			.5	.1														6	6					
52/ 51		1.1	1.0	.2	.2													23	23					
50/ 49		1.8	1.0	.2														28	28	20	2			
48/ 47	.5	2.0	1.4	.5	.1													43	43	39	28			
46/ 45	.1	3.4	.6	.3														42	42	44	17			
44/ 43	.6	3.4	2.5	.3														64	64	39	57			
42/ 41	1.2	5.1	1.6	.3														76	76	61	39			
40/ 39	1.6	4.2	1.6															69	69	68	64			
38/ 37	1.9	5.8	1.9	.3														93	93	80	70			
36/ 35	.9	8.6	1.2	.3														102	102	82	88			
34/ 33	2.5	8.6	.5	.1														109	109	124	99			
32/ 31	2.2	7.1	.3															89	89	116	95			
30/ 29	1.8	3.9		.1														54	54	79	112			
28/ 27	.9	2.3	.4	.4														37	37	38	73			
26/ 25	1.1	1.5	.6	.3														34	34	29	64			
24/ 23	.3	1.9	.1															22	22	31	24			
22/ 21	.1	.3	.1															5	5	22	20			
20/ 19		.4	.3															7	7	5	12			
18/ 17	.1	.2	.1															4	4	6	11			
16/ 15	.1	.6	.2															9	9	8	11			
14/ 13	.2	.4																6	6	7	5			
12/ 11		.1																1	1	4	7			
10/ 9	.1	.2																3	3	3	8			
8/ 7																					6			
6/ 5																					3			
4/ 3																					8			
2/ 1																					2			
0/ -1																					1			
-2/ -3																					3			
-6/ -7																					1			
TOTAL	16.2	3.1	16.2	4.1	.3													930		930	230			
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	6745676		78506		84.4		11,298		930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb	1291684		33872		36.4		7,902		930			27.1					93							
Wet Bulb	1173593		32279		34.7		7,570		930			34.8					93							
Dew Point	1022271		29713		31.9		8,862		930		.5	46.6					93							

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF 40,61-70

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
58/ 57			.1	.1														2	2						
56/ 55			.1	.2														3	3						
54/ 53		.1	.3	.2														6	6		2				
52/ 51		.9	1.1	.2			.1											23	23		5				
50/ 49	.1	2.2	1.1	.1		.1												37	37		16				
48/ 47	.2	3.1	1.9	.3	.1													54	54		37				
46/ 45		2.2	1.2	.1														35	35		54				
44/ 43	.3	3.3	1.2															49	49		41				
42/ 41	1.5	3.6	1.8	.2														77	72		72				
40/ 39	.8	5.3	2.1	.2														85	85		58				
38/ 37	.6	8.0	1.8	.3														109	109		87				
36/ 35	2.0	8.1	.8															111	111		128				
34/ 33	1.3	8.9	.4	.3														111	111		115				
32/ 31	2.7	7.8	.3															111	111		133				
30/ 29	1.0	3.7		.1														49	49		81				
28/ 27	2.0	2.4		.2														47	47		59				
26/ 25	.6	2.7	.8															40	40		31				
24/ 23	.4	2.0	.5	.2														31	31		27				
22/ 21	.4	.6	.1															11	11		29				
20/ 19	.3	1.1																14	14		20				
18/ 17		.3	.2															5	5		5				
16/ 15		.3																3	3		7				
14/ 13	.2	.3																5	5		4				
12/ 11	.1	.5																6	6		7				
10/ 9	.4																	4	4		5				
8/ 7																									
6/ 5																									
4/ 3																									
2/ 1																									
0/ -1																									
-2/ -3																									
TOTAL	14.7	7.4	15.0	2.6	.1	.1	.1											1023		1023		1023			
																		1023		1023					
Element (X)	Σ x ²		Σ x		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.	7447526		86624		84.7		10.492		1023		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb	1392356		36808		36.0		8.156		1023				29.6										93		
Wet Bulb	1267395		35127		34.3		7.740		1023				37.1										93		
Dew Point	1103436		32346		31.6		8.886		1023		.5		48.8										93		

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

PAGE 1

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

40,61-70

JAN
MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
62/ 61					.1	.1	.1											3	3													
60/ 59				.1	.3	.1												5	5													
58/ 57			.6	.3	.1													10	10													
56/ 55		.1	.7	.8	.2	.1												10	19	1												
54/ 53		.6	.4	.5	.1		.2	.1										19	19	10												
52/ 51	.1	.7	2.0	.6	.2	.2												38	36	24	10											
50/ 49	.1	1.7	3.0	.9	.2	.1												61	61	30	13											
48/ 47		2.9	2.7	2.2	.6	.1												87	87	53	24											
46/ 45		2.8	3.5	2.2	.8	.1	.2											99	99	65	43											
44/ 43	.5	4.6	4.6	2.4	.1		.1											126	126	82	62											
42/ 41	.3	5.2	5.0	1.6	.1	.1												125	125	125	73											
40/ 39	.4	3.4	4.5	.5	.2													92	92	127	80											
38/ 37	.5	5.1	3.0	.3	.1													102	102	136	101											
36/ 35	.9	5.0	2.1	.8	.4													93	93	112	108											
34/ 33	.8	3.2	1.9	.2	.1													63	63	89	116											
32/ 31	.2	1.1	.5	.3	.3													24	24	70	109											
30/ 29		.4	.5	.2														11	11	30	104											
28/ 27		1.3	.5	1.0														28	28	13	43											
26/ 25		.3	.4	.3														10	10	22	30											
24/ 23			.1	.1														2	2	15	25											
22/ 21		.1	.2															3	3	9	12											
20/ 19		.2	.1															3	3	5	14											
18/ 17																				4	7											
16/ 15																				1	10											
14/ 13																					7											
12/ 11																					5											
10/ 9																					4											
8/ 7																					6											
6/ 5																					2											
4/ 3																					5											
2/ 1																					1											
0/ -1																					1											
-2/ -3																					1											

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JAN

STATION

STATION NAME

YEARS

MONIV

PAGE 2

1200-1400

HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9	10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
TOTAL	3.7	30.6	36.2	15.2	3.8	.9	.6	.1											1023	1023	1023	1023		

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

1500-1700
HOURS (L. S. T.)

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USAFETAC FORM 0.26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JAN

YEARS.

PAGE 1 1800-2000

MONYX

1500-2000

HOURS (L. S. T.)

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF 40,61-70

JAN

PAGE 1 2100-2300

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13	14-15	16	17-18	19-20	21-22	23-24	25	26	27	28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
58/ 57					.1																1	1				
56/ 55			.1	.3	.2																6	6				
54/ 53			.3	.1	.1																5	5	1			
52/ 51		1.3	.7	.3																	23	23	8	1		
50/ 49	.2	2.1	.7	.6																	36	36	19	16		
48/ 47	.2	2.2	2.0	.1	.2																47	47	36	12		
46/ 45	.5	4.3	1.3	.2																	63	63	55	35		
44/ 43	.8	3.9	1.8	.5																	70	70	63	56		
42/ 41	1.3	6.7	1.7	.4																	100	100	76	61		
40/ 39	1.3	3.7	3.2	.4																	86	86	98	82		
38/ 37	.8	7.1	1.2	.3																	93	93	74	69		
36/ 35	1.5	8.1	1.2	.1	.2																110	110	116	83		
34/ 33	2.0	3.9	.5																		113	113	113	106		
32/ 31	1.8	6.8	.8	.1																	94	94	131	99		
30/ 29	.8	3.0	.5	.1																	44	44	73	117		
28/ 27	1.0	2.6		.1	.1																38	38	45	100		
26/ 25	.4	1.3	.6	.1																	24	24	31	45		
24/ 23		.7	.3																		12	12	10	22		
22/ 21		.6	.3																		9	9	11	18		
20/ 19	.1	.4	.2																		7	7	14	17		
18/ 17	.1	.5	.2																		8	8	9	8		
16/ 15																							6	5		
14/ 13		.2																			2	2		5		
12/ 11		.1																			1	1	3	7		
10/ 9																								7		
8/ 7																								1		
6/ 5																								3		
4/ 3																								2		
2/ 1																								1		
0/ -1																								4		
-2/ -3																								1		
-4/ -5																								2		
-6/ -7																								1		
Element (X)	ΣX^2	ΣX	\bar{X}	\bar{X}_k	No. Obs.	Mean No. of Hours with Temperature						Total														
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$															
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC 0 26 5 (OL 3) REVISED PREVIOUS EDITIONS OF THIS FORM ARE NOTED

PSYCHROMETRIC SUMMARY

JAN
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

JSAFETAC FORM 0265 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 0000-0200
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

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STATION

STATION NAME

YEARS

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PAGE 1

0300-0500

HOURS (L, S, T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC
FORM
JUL 64

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

6-26-5 (U.L.A.)

USAFETAC FORM 155-04

PSYCHROMETRIC SUMMARY

FEB
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF 40,61-70

FEB
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27	28	29 - 30	> 31	Dry Bulb	Wet Bulb		Dew Point		
70/ 69									.1											1	1			
68/ 67								.2												2	2			
66/ 65						.1	.2	.1												4	4			
64/ 63					.1	.2				.1										4	4			
62/ 61					.3	.2														5	5			
60/ 59				.4	.6	.3	.3	.2												18	18			
58/ 57		.5	.2	.5	.4	.4	1.2	.2												33	33	1		
56/ 55		.4	.9	1.0	.2	.5	.3													33	33	11		
54/ 53		1.2	1.1	1.5	.9	1.0	.2	.1												55	55	15	9	
52/ 51		.8	2.6	1.9	2.4	.8	.5	.2												85	85	42	4	
50/ 49	.2	2.7	3.5	4.9	2.0	.3	.1	.1												130	130	43	27	
48/ 47	.5	1.9	3.0	4.4	2.4	.1	.4	.2												121	121	89	34	
46/ 45	.4	3.8	4.1	5.8	1.2	.2														144	144	101	54	
44/ 43	.8	3.5	4.1	4.1	.3	.2														121	121	154	76	
42/ 41	.9	1.7	3.2	2.0	.4															77	77	157	93	
40/ 39	.4	1.4	2.9	.5																49	49	137	74	
38/ 37	.2	1.1	.9	.5	.1															26	26	92	106	
36/ 35		.3	.5		.6	.1														15	15	53	102	
34/ 33	.2	.2			.2															6	6	21	131	
32/ 31	.2	.2																		4	4	7	93	
30/ 29																						3	40	
28/ 27																						6	31	
26/ 25																						1	20	
24/ 23																							11	
22/ 21																							2	
20/ 19																							6	
18/ 17																							3	
16/ 15																							5	
14/ 13																							5	
12/ 11																							2	
10/ 9																							2	
8/ 7																							1	
6/ 5																							1	
4/ 3																							3	
Element (X)	Σx^2		Σx		\bar{x}		σ_x		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum											$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3,

FEB
MONTH

40,61-70)

HOURS (L	S, T, I
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JSAFETAC 0-26-5 (11 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
F-26M JUL 64

PSYCHROMETRIC SUMMARY

Y E A R S

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb
72/ 71																.1																1	1		
70/ 69																.2		.1														3	3		
68/ 67										.2				.4																		7	7		
66/ 65														.1																		1	1		
64/ 63													.4																			4	4		
62/ 61						.1	.1	.5					.5																			12	12		
60/ 59					.1	.6	.1	.4	.9																							20	20	1	
58/ 57		.1	1.0	.6	.2	.5	1.1	.3																								36	36	1	
56/ 55		.6	.4	1.0	.9	1.2	.8																									45	45	10	
54/ 53		.2	1.0	2.4	.9	.8	.5																									53	53	28	11
52/ 51	.2	1.3	2.0	1.9	2.8	1.3	.4	.5																								98	98	27	11
50/ 49	.4	2.3	2.5	3.6	2.5	1.4	1.0	.3																								132	132	46	19
48/ 47	.3	3.0	3.5	3.6	2.0			.3																								120	120	99	27
46/ 45	.7	3.3	3.2	3.9	1.3	.4																										121	121	129	60
44/ 43	1.1	3.3	2.9	4.1	.9																											114	114	152	80
42/ 41	.4	1.9	3.9	1.4	.3																											74	74	130	60
40/ 39	.2	2.1	2.0	.3	.1																											45	45	122	77
38/ 37	.1	1.1	.4	.4	.3	.1																										27	27	113	104
36/ 35		.4	.4	.1	.2	.2																										11	11	43	104
34/ 33	.1	.4	.2		.1																											8	8	11	96
32/ 31		.1																														1	1	11	92
30/ 29																																			

PSYCHROMETRIC SUMMARY

YEARS _____ FEB _____
 MONTH _____
 PAGE 2 1500-1700
 HOURS (L. S. T.) _____

PSYCHROMETRIC SUMMARY

PER MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

FFB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

MAD

PAGE 1 0000-0200
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

MAR
MONTH

PAGE 1 0300-0500
NOV 85 11 51

PSYCHROMETRIC SUMMARY

PAGE 1

PSYCHROMETRIC SUMMARY

1442
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400

HOURS (L. S. T.)

[illegible]

JSAFETYAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MAR
MONTH

PAGE: 1 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0 26 5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MAR
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

USAFETAC
FORM 0-26-5 (OL A)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/CRAY AAF 40,61-70

PAR
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
70/ 69									.1									1	1					
68/ 67								.1										1	1					
64/ 63							.1		.1									2	2					
62/ 61						.2	.3	.2										7	7					
60/ 59					.2	.4	.2	.4	.1									13	13					
58/ 37			.1	.5	.4	.3	.1	.3										17	17					
56/ 55		.1	.3	.6	.8	.9	.7	.3										37	37					
54/ 53		.3	1.0	1.4	1.2	.4	.8											51	51	6	2			
52/ 51	.2	.4	2.1	1.7	1.5	1.1	.3											73	73	20	1			
50/ 49	.1	2.9	3.9	2.8	2.2	1.2	.3											138	138	41	9			
48/ 47	.6	3.6	4.0	2.3	1.9	.6	.3											136	136	108	37			
46/ 45	.4	2.2	4.2	3.6	1.7	.2	.1											127	127	116	60			
44/ 43	.2	2.4	4.3	3.4	.9	.3	.1											119	119	135	58			
42/ 41	.5	4.7	3.7	1.6	.8	.3												118	118	148	82			
40/ 39	.2	3.9	2.7	.9	.3													82	82	169	116			
38/ 37	.5	2.6	1.2	.3	.2													49	49	130	116			
36/ 35	.2	1.9	.5	.1	.1													28	28	76	128			
34/ 33	.2	.7	.2	.1														12	12	42	99			
32/ 31		.7		.1														8	8	19	98			
30/ 29		.4																4	4	8	71			
28/ 27																				4	46			
26/ 25																				1	36			
24/ 23																					15			
22/ 21																					12			
20/ 19																					8			
18/ 17																					5			
14/ 13																					4			
12/ 11																					2			
10/ 9																					3			
8/ 7																					2			
TOTAL	3.0	26.9	28.2	19.4	12.0	5.8	3.2	1.3	.3									1023	1023	1023	1023			
																		1023		1023				
Element (X)	Σx'		Σx		X̄		σ _x		No. Obs		Mean No. of Hours with Temperature							Total						
Rel. Hum.	5271467		71315		69.7		17.133		1023		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93							
Dry Bulb	2193706		46982		45.9		5.937		1023			1.1	.2				93							
Wet Bulb	1782243		42411		41.5		4.843		1023			2.9					93							
Dew Point	1355486		36354		35.7		6.948		1023			28.3					93							

USAFETAC
JL 64
026-5 (OL A)
REVISIO PREVIOUS EDITIONS TO THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

APR
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

39-40, 61-70

APP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

$$\frac{\Delta PR}{\text{MONTH}}$$

PAGE 1 0900-1100
HOURS (L S T)

[illegible]

PSYCHROMETRIC SUMMARY

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1700-1400

HOURS (L, S, T.)

PSYCHROMETRIC SUMMARY

ASR
MONTH

YEARS

1500-1700

HOURS 11, 5, T.

[illegible]

PSYCHROMETRIC SUMMARY

APR
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

APR

MONTH

2100-2300

HOURS 'L S. T.!

PSYCHROMETRIC SUMMARY

1548

STATION

STATION NAME

YEARS

PAGE 1

MONTH

0000-0200

HOURS (L. S. T)

PSYCHROMETRIC SUMMARY

24201

FORT LEWIS WASHINGTON/GRAY AAF

39-40, 61-70

MAY

STATION

STATION NAME

YEARS

MCNT 10

PAGE 1

0300-0500
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

444

MONTH

0600-0800

HOURS (L. S. T.)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF 39-40,61-70

MAY

PAGE 1 0900-1100
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		+31	Dry Bulb	Wet Bulb
84/ 83										.1								1	1	
82/ 81											.2							2	2	
80/ 79																		3	3	
78/ 77								.1	.3		.1							5	5	
76/ 75						.1	.1	.5	.1									9	9	
74/ 73							.1	.5	.1									9	8	
72/ 71							.4	.7	.1									14	14	
70/ 69					.1	.6	1.2	.4	.2									28	28	
68/ 67				.1	.3	.7	.4	.1										17	17	
66/ 65				.1	.7	1.0	2.0	.2										44	44	2
64/ 63			.1	.1	1.3	2.2	1.4											57	57	7
62/ 61			.1	.6	2.4	2.6	.8	.1										74	74	13
60/ 59			.5	1.7	4.1	2.4	.5	.2										106	106	28
58/ 57		.3	1.5	3.0	3.2	1.4	.4	.1										110	110	43
56/ 55		.8	1.7	3.9	4.7	2.2	.1	.1										150	150	68
54/ 53		1.8	1.3	3.3	3.9	1.2												129	128	133
52/ 51		1.3	2.2	4.4	3.4	.4												131	131	167
50/ 49	.1	1.5	2.7	3.9	1.8	.2												113	113	146
48/ 47		.5	1.4	2.2	.6													54	54	156
46/ 45		.9	.9	1.2	.1													34	34	166
44/ 43		.8	.9	.2														21	21	101
42/ 41		.1	.4	.1														6	6	56
40/ 39	.1																	1	1	26
38/ 37																				4
36/ 35																				
34/ 33																				
32/ 31																				
30/ 29																				
28/ 27																				
22/ 21																				
TOTAL	.2	8.1	13.7	24.7	26.7	14.9	7.3	3.0	1.0	.1	.3							1116	1116	1116
																		1116		
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature										Total				
Rel Hum.	4460573	69003	61.0	13.193	1116	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$					93				
Dry Bulb	3582424	62786	56.2	6.925	1116			7.3	2.3	.3						93				
Wet Bulb	2745417	55069	49.3	5.015	1116											93				
Dew Point	2071523	47667	42.7	5.647	1116			3.5								93				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

PAGE 1

PSYCHROMETRIC SUMMARY

44Y

Y=ARS

MONTH

1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26 5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	> 31	D.B., W.B.	Dry Bulb	Wet Bulb	Dew Point													
24 / 23																							3											
22 / 21																							2											
20 / 19																							4											
TOTAL	.3	3.8	7.1	9.5	13.3	16.6	19.2	22.3	7.0	4.8	3.0	.8	.7	.5	.4				1116			1116												
																		1116			1116													
Element (X,	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																												
Rc. Hum	3668570	55602	49.9	16.193	1116	≤ 0 F	≤ 32 F	> 67 F	> 73 F	> 80 F	> 93 F	Total																						
Dry Bulb	4420224	69567	62.3	8.665	1116			25.3	11.8	7.8		93																						
Wet Bulb	3030866	57852	51.8	5.348	1116			.4				93																						
Dew Point	2019210	46894	42.0	6.611	1116		6.9					93																						

PSYCHROMETRIC SUMMARY

MAY

MONTH

1800-2000

HOURS (L, S, T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point								
86/ 85												.1						1	1									
84/ 83												.2						3	3									
82/ 81									.2		.1	.2	.1					6	6									
80/ 79										.2	.4	.2						9	8									
78/ 77									.1	.2	.1	.1						5	5									
76/ 75									.2	.4	.2							8	8									
74/ 73								.2	.2	.5	.4	.2						17	17									
72/ 71					.1	.3	.4	.4	.8	.4								27	27									
70/ 69				.1		.3	.4	.9	.5	.2								27	27									
68/ 67					.2	.7	.9	1.5	.4	.2								44	44									
66/ 65				.2	.4	.9	1.9	.8	.9									57	57	2								
64/ 63				.6	1.1	2.0	2.2	1.3	.1									81	81	5								
62/ 61			.3	.8	2.0	2.3	1.7	.6	.2									88	88	16								
60/ 59		.2	.9	2.2	1.4	2.4	1.3	.5										101	101	30								
58/ 57		.3	1.5	2.2	3.2	2.6	1.3	.3	.1									123	128	58								
56/ 55	.2	.9	1.7	2.8	3.5	2.0	1.0	.3										137	137	89								
54/ 53		.9	1.2	2.5	2.7	1.0	.2	.1										95	95	147								
52/ 51	.2	1.8	2.1	3.0	1.7	.7	.3											108	108	159								
50/ 49	.3	1.5	1.4	2.2	1.0	.2												73	73	179								
48/ 47	.1	.6	1.5	1.7	.4	.1												49	49	143								
46/ 45		.6	1.3	.7														29	29	122								
44/ 43	.1	.3	.8	.4														17	17	86								
42/ 41			.4															5	5	55								
40/ 39			.2															2	2	19								
38/ 37																				4								
36/ 35																				1								
34/ 33																												
32/ 31																												
30/ 29																												
28/ 27																												
26/ 25																												
24/ 23																												
22/ 21																												
20/ 19																												
Element (X)	Σ X ²			Σ X			X̄			σ _x			No. Obs			Mean No. of Hours with Temperature												
Rel Hum																≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total
Dry Bulb																												
Wet Bulb																												
Dew Point																												

PSYCHROMETRIC SUMMARY

39-40, 61-70

HAY

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1900-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
16/ 15 Total	.	7.1	13.	19.4	27.7	15.4	11.8	7.1	4.2	1.1	.7	.7	.2							1116		1116		
																				1116		1116		
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. H. m.	4088217	64932	58.2	16.682	1116	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	93												
Dry Bulb	3816313	64699	58.0	7.662	1116			12.5	4.0	.9		93												
Wet Bulb	2814267	55761	50.0	5.086	1116							93												
Dew Point	2033762	47112	42.2	6.340	1116			6.1				93												

PSYCHROMETRIC SUMMARY

MAY

MONTH

HOUES (L. S. T.)

[illegible]

JSAFE1AC

PSYCHROMETRIC SUMMARY

JUN
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL		TOTAL		
	0	1	2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point							
72/ 71					.1				.1										2	2									
70/ 69								.1											1	1									
68/ 67						.1	.1												2	2									
66/ 65						.1	.2	.3											6	6	1								
64/ 63					.3	.5	.2												10	10									
62/ 61			.2	.8	.6	.3													22	22	2	1							
60/ 59		.5	2.0	2.3	.6	.2													56	56	3								
58/ 57		2.1	3.3	2.0	.9	.3													86	86	24	1							
56/ 55	.1	2.6	3.6	3.7	1.3	.2													134	134	62	21							
54/ 53		5.8	6.6	3.5	.4														161	161	104	55							
52/ 51	.2	6.1	6.9	2.4															154	154	168	85							
50/ 49	.2	6.6	8.8	.6															150	160	162	145							
48/ 47	.4	6.5	3.3	.2															103	103	219	142							
46/ 45	.1	4.4	1.3	.1															59	59	168	185							
44/ 43	.1	1.6	.4																21	21	67	170							
42/ 41	.4	.2																	4	6	24	110							
40/ 39	.2	.2																	4	4	7	54							
38/ 37	.2																		2	2	3	12							
36/ 35																						7							
TOTAL	1.9	36.6	38.7	16.2	4.6	1.6	.4												989	989		989							

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF 39-40,60-70

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0300-0500

HOURS 11, 5, 1, 1

Temp (F)	n	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	Dry Bulb	TOTAL	
		1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17	18	19-20	21-22	23-24	25-26	27	28	29-30	> 31	Wet Bulb	Dew Point				
64/ 63				.4	.2	.1															7	7			
62/ 61		.3		.1	.2	.1															7	7			
60/ 59		.2	1.6	.4	.2																25	25	3		
58/ 57		1.8	2.3	1.0																	53	53	9	3	
56/ 55		3.7	3.3	1.9		.1															95	95	49	11	
54/ 53	.5	5.3	6.0	2.8	.8																161	161	76	56	
52/ 51	.5	8.8	6.1	2.4																	186	186	139	72	
50/ 49	.9	7.8	8.9	.8																	190	190	184	128	
48/ 47	.5	7.8	4.6	.2																	137	138	261	164	
46/ 45	.5	7.2	1.3																		95	95	201	160	
44/ 43	.6	4.1	1.0																		59	59	103	212	
42/ 41	.5	1.2	.1																		19	19	60	126	
40/ 39	.1	.8																			7	7	11	75	
38/ 37	.2	.2																			4	4	7	28	
36/ 35	.2																				4	4	4	13	
34/ 33																								1	
TOTAL	4.5	49.1	55.2	9.6	1.3	.3															1049	1050	1049	1049	
Element (X)		Σx		Σx		Σx		Σx		Σx		Σx		Σx		Σx		Σx		Σx		Σx		Σx	
Rel Hum		7411617		87681		83.6		8.887		1049		< 0 F		< 32 F		< 67 F		< 73 F		< 80 F		< 93 F		Total	
Dry Bulb		2705963		33097		50.6		4.466		1050														90	
Wet Bulb		2431636		50334		48.0		3.988		1049														90	
Dew Point		2203320		47868		45.6		4.259		1049														90	

USAF ETAC FORM 0-26 5 (C, A) 11 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF 39-40,60-70

JUN
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Wet Bulb	Dew Point																		
74/ 73						.1	.1	.2										4	4																		
72/ 71						.3	.1		.1									5	5																		
70/ 69						.7	.3	.2	.1									8	8																		
68/ 67						.9	.5	.3	.1									19	19																		
66/ 65					.6	.9	.7	.2										30	30																		
64/ 63			.1	.6	1.5	1.0												38	38														1				
62/ 61		.3	.9	2.1	2.6	.1	.1											71	71														10				
60/ 59		.7	2.4	3.3	2.6	.1												106	106														29				
58/ 57		2.5	3.4	4.7	1.1	.1												134	134														62	10			
56/ 55		2.6	7.6	4.5	1.5													190	190														130	46			
54/ 53	.3	4.5	7.1	5.2	1.0													212	212														184	57			
52/ 51	.1	4.1	8.2	2.4														181	181														231	113			
50/ 49	.2	3.3	4.5	.7														101	102														216	194			
48/ 47		1.0	2.4	.1	.1													42	42														197	194			
46/ 45		1.0	.4															17	17														85	196			
44/ 43		.3																4	4														29	172			
42/ 41	.1																	1	1														8	91			
40/ 39	.1																	1	1														1	39			
38/ 37																																			11		
32/ 31																																			1		
TOTAL		.820	.987	2.24	4.4	12.2	3.2	.9	.3	.1								1168	1170														1168	1168			
Element (Y)	Σ x²			Σ x			x̄			s²			Obs.			Mean No. of Hours with Temperature						Total															
Rel. Hum.	6716489			87657			75.0			10.872			1168			≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	90															
Dry Bulb	3623182			64842			55.4			5.032			1170					2.8	.3			90															
Wet Bulb	3065411			59665			51.1			3.677			1168									90															
Dew Point	2659525			55312			47.4			4.167			1168					.1				90															

USAF ETAC FORM 0-26-5 (0-2-61) REVISED MEANS & DEVIATIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JUN

PAGE 1 0900-1100
HOURS 11.5.71

[illegible]

PSYCHROMETRIC SUMMARY

JUN
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

HOUSE L. 5. 7

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

1500-1700
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

100

PAGE 1

MONTH 14

1800-2000

HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0 26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JUN
MONTH

PAGE 2 1800-2000
HOURS (L, S, T)

[illegible]

PSYCHROMETRIC SUMMARY

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514104

STATION NAME

YEARS

MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

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5-3

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MONTH

HOURS 12 5 T, 1

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAL

PSYCHROMETRIC SUMMARY

74201

FIGHT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40, 69-70

YEAR:

JUL
MONTH

1964, 1

0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
88/ 87										.1								1	1													
86/ 85								.1	.1		.2							5	5													
84/ 83									.2	.1	.2	.2						7	7													
82/ 81							.2	.3	.3	.3	.2							15	15													
80/ 79							.1	.3	.3	.4					.1			26	26													
78/ 77					.1		.2	1.3	.3	.2								24	24													
76/ 75						.3	1.2	1.2	.5	.2								30	39													
74/ 73				.1		1.1	1.9	1.4	.3									24	56													
72/ 71					.5	2.6	2.6	1.3	.2									85	45	2												
70/ 69			.1	.2	1.4	1.6	2.9	1.0	.2									86	86	6												
68/ 67			.2	1.2	1.9	4.7	2.2	.4										125	125	8												
66/ 65			.1	1.4	3.4	4.8	1.8	.2										138	138	28	2											
64/ 63			.5	2.3	5.6	3.6	1.0											153	153	66	6											
62/ 61			2.1	4.4	4.7	2.0	.1											157	157	122	5											
60/ 59		.8	2.4	3.2	3.4	.8												126	126	140	18											
58/ 57		.8	2.5	2.3	1.4	.3												67	97	226	80											
56/ 55		.5	1.4	.8	.5													38	46	252	135											
54/ 53	.1	.2	.8	.1														13	13	184	157											
52/ 51		.2	.4															7	7	107	124											
50/ 49																				37	212											
48/ 47																				4	166											
46/ 45																					112											
44/ 43																					71											
42/ 41																					2											
40/ 39																					1											
36/ 35																					1											
TOTAL	.1	2.5	10.4	16.1	22.8	21.7	14.1	7.3	3.0	1.3	.5	.2	.1					1127	1182	1182	1182											
Element (X)	Σx^2			Σx			\bar{x}	σ_x	No. Obs.			Mean No. of Hours with Temperature						Total														
Rel Hum.	4429430			70892			60.08	2.264	1182			≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	93														
Dry Bulb	5117171			77367			65.5	6.380	1182					36.4	13.1	2.8		93														
Wet Bulb	3853977			67329			57.0	3.980	1182					1.3				93														
Dew Point	3049264			59808			50.6	4.417	1182									93														

USAFETAC FORM 0.26-5 (OLA)
REVISED PREVIOUS EDITIONS (1) THIS FORM IS OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ IAC

PSYCHROMETRIC SUMMARY

44201

PLNT LEWIS WASHINGTON/GRAY AAF

39-40, 67-70

Jul

STATION

STATION NAME

YEARS

PAC, i

1200-1400

HUFFS L. S. T.

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF 39-40,60-70

JUL

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
98/ 97																					2	2		
96/ 95																					2	2		
94/ 93																					8			
92/ 91																					22	22		
90/ 89																					24	24		
88/ 87																					24	25		
86/ 85																					50	50		
84/ 83																					32	32		
82/ 81																					73	73		
80/ 79																					97	97		
78/ 77																					110	110		
76/ 75																					114	114	5	
74/ 73																					95	95	2	
72/ 71																					87	97	20	
70/ 69																					75	75	116	5
68/ 67																					74	74	129	2
66/ 65																					50	50	196	7
64/ 63																					20	20	194	38
62/ 61																					11	11	243	88
60/ 59																					7	7	129	113
58/ 57																							66	147
56/ 55																							20	198
54/ 53																							3	179
52/ 51																								136
50/ 49																								100
48/ 47																								67
46/ 45																								39
44/ 43																								10
42/ 41																								13
40/ 39																								2
38/ 37																								1
36/ 35																								1
34/ 33																								1
32/ 31																								1
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature												Total	
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F			
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201
STATION

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40,60-70
YEARS

JUL
MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb		Dew Point		
44/ 93												.1		.1						2	2			
92/ 91												.1				.1				2	2			
90/ 89										.1	.2	.2	.3	.2	.2					13	13			
88/ 87										.2	.3	.3	.3	.2						14	14			
86/ 85									.2	.2	.7	.3	.3							19	19			
84/ 83								.1	.6	.7	1.2	.4								35	75			
82/ 81								.4	1.0	.6	.8									33	33			
80/ 79						.3	.3	1.4	1.0	.6	.1			.1						44	44			
78/ 77						.2	.6	1.2	1.9	1.4	.6			.1						67	68			
76/ 75						.4	1.1	1.4	2.0	1.1	.1									72	72			
74/ 73					.3	.9	1.7	3.7	1.6	.5	.3	.1								107	107			
72/ 71				.3	.5	1.4	2.9	2.9	1.3		.1									109	109			
70/ 69			.1	.1	.9	1.9	3.7	2.0	.7	.2										113	113	10		
68/ 67		.1		.7	1.2	3.7	2.5	1.4	.1	.2										115	115	36	1	
66/ 65			.3	1.2	3.1	3.1	2.5	.1	.1											121	121	62		
64/ 63			.3	2.0	4.0	2.3	.7	.2												114	114	102	4	
62/ 61		.2	1.0	2.2	3.3	1.2	.2													94	95	136	12	
60/ 59		.4	1.4	.8	1.1	.4														48	48	200	53	
58/ 57	.3	.8	.3	1.0	.3															30	30	252	66	
56/ 55		.1	1.2	.2																17	17	198	109	
54/ 53		.1	.5																	7	7	107	145	
52/ 51			.1																	1	1	63	176	
50/ 49																						9	209	
48/ 47																							160	
46/ 45																							106	
44/ 43																							74	
42/ 41																							27	
40/ 39																							16	
38/ 37																							3	
36/ 35																							3	
34/ 33																							2	
32/ 31																							3	
30/ 29																							1	
26/ 25																							2	
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

3

74261
STAT

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39-40, 60-70

JUL
MONTH

PAGE 2

1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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S. L. P.

STATION NAME

YEARS

MONTH

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HOURS (L. S. T.)

JSAFETAC
FORM
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0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ETAC

PSYCHROMETRIC SUMMARY

24201
STAT

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70

YEARS

SEP
MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

74201	FORT LEWIS WASHINGTON/GRAY AAF
STATION	STATION NAME

39,60-70

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PAGE 1 0600-0800
HOURS (1-5-1-1)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

3

YEARS

39,60-70

SEP
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF 39,60-70

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
88/ 87																		1	1	
86/ 85											.1		.2	.1				3	3	
84/ 83									.1	.1	.2	.2		.1				7	7	
82/ 81								.2	.2	.2	.3	.1		.1				11	11	
80/ 79							.2	.1	.3	.7	.2		.1					17	17	
78/ 77			.1				.2	.6	1.0	.5	.2							25	25	
76/ 75					.1	.3	.4	1.7	1.7	.6	.3							57	57	
74/ 73						.2	1.4	1.1	.5	.4	.3							41	41	1
72/ 71				.1	.1	2.2	1.9	2.0	.9	.1								30	80	1
70/ 69				.5	1.4	2.2	2.0	1.9	.9									97	97	1
68/ 67			.3	.6	2.9	2.9	1.7	.7										97	97	7
66/ 65			.5	.9	2.8	3.2	2.4	1.3	.1		.1							122	122	8
64/ 63		.6	1.1	2.3	3.1	3.5	2.1	.2	.1	.1								141	141	43
62/ 61		.7	1.6	3.5	3.3	2.8	1.3		.5									148	148	14
60/ 59		1.4	2.6	2.5	2.5	1.5	.3	.4										120	120	25
58/ 57		.5	1.4	1.5	1.2	.2	.3	.1										55	55	48
56/ 55	.1	.0	1.0	1.0	.1	.4												42	42	115
54/ 53		.3	.0															12	12	124
52/ 51				.1														1	1	131
50/ 49																				153
48/ 47																			40	154
46/ 45																			9	119
44/ 43																			16	103
42/ 41																				86
40/ 39																				62
38/ 37																				25
36/ 35																				17
34/ 33																				9
32/ 31																				5
30/ 29																				1
28/ 27																				5
26/ 25																				3
24/ 19																				2
22/ 19																				2
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature							Total		
Rel Hum.											≤ 0 F	≤ 32 F	> 67 F	≤ 73 F	> 80 F	≤ 93 F				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

3

24201 FM 1 LFR 15 WASHINGTON/GRAY AAF 39,60-70

SEP
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

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SEP
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

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JSAFETAC FORM 0-26-5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
SAF ETAC
AIR WEATHER SERVICE/MAS

PSYCHROMETRIC SUMMARY

74201 10RT 571 6/5011200/6848 AAF 39,60-70

YEARS

SEP
MONTH

PAGE 2 1500-1700
HOURS (L.S.T.)

[illegible]

3

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

24201

FORT LEWIS WASHINGTON/GRAY AAF

39, 40-70

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1900-2000

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85													.1					1	1		
84/ 83									.1									1	1		
82/ 81												.1						1	1		
80/ 79						.1		.2		.1		.1	.2					7	7		
78/ 77							.1	.1	.4	.0	.1							13	13		
76/ 75			.1			.1	.1	.2	.4		.1	.1						11	11		
74/ 73		.1			.1	.1	.7	.7	.1	.1	.2							22	22	1	
72/ 71					.3	1.0	.4	.7	.3	.3								33	33	1	1
70/ 69			.1	.3	.8	1.1	1.0	1.1	.2	.2								52	52	1	1
68/ 67				.9	1.4	1.4	1.8	.6	.2									67	67	1	
66/ 65		.2	.5	2.1	1.7	1.8	1.2	.7	.1									91	91	8	1
64/ 63		.4	2.1	2.8	3.2	2.0	1.6	.3	.1									133	133	15	1
62/ 61	.1	.5	3.5	3.0	1.5	2.0	1.4	.1										131	131	68	13
60/ 59	.1	2.0	3.0	4.2	3.3	1.4	.3		.2									164	164	115	25
58/ 57	.1	2.3	3.5	4.0	2.7	1.1	.1	.3										152	152	152	54
56/ 55		3.3	2.0	2.4	1.2	.2	.1	.2										101	101	205	121
54/ 53	.1	1.4	1.5	1.3	.7	.3	.1											57	57	166	124
52/ 51		.7	.9	.7														26	26	164	150
50/ 49	.1	.1	.3	.3	.2													10	10	100	112
48/ 47				.2														2	2	47	116
46/ 45																				16	109
44/ 43																				11	76
42/ 41																				4	62
40/ 39																					46
38/ 37																					24
36/ 35																					18
34/ 33																					7
32/ 31																					5
30/ 29																					2
28/ 27																					1
26/ 25																					3
24/ 23																					1
22/ 21																					1
TOTAL	.5	10.7	10.2	22.2	17.5	12.6	8.7	5.1	2.1	1.2	.4	.3	.3					1075	1075	1075	1075
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.	4838648	69906	65.1	16.214	1075	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	4127954	66306	61.7	5.964	1075			17.4	4.7	.6		90									
Wet Bulb	3237069	58803	54.7	4.371	1075			.3	.1			90									
Dew Point	2617361	52589	48.9	6.452	1075		1.2	.2				90									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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512

YEARS

MONTH

2100-2300

HOURS (L, S, T.)

USAFETAC FORM 0-26-5 (01-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

74201

FORT LEWIS WASHINGTON/GRAY AAF

39,60-08

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STATION

STATION NAME

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MONTH

PAGE 1

0000-0200
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (01 A)

Form

USAFETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201
STATIO

FORT LEWIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70

YEARS

767
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

[illegible]

3

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF 39,60-70

STATION

STATION NAME

YEARS

FCT

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	DB	W.B.	Dry Bulb	Wet Bulb	Dew Point								
62/ 61				.1	.2													7	3											
60/ 59	.1	.4	.5	.1	.2													12	12		2									
58/ 57	.2	1.3	1.8	.2	.3	.1												40	40		9	7								
56/ 55	.5	1.5	1.7	.8	.5	.2												59	59		37	16								
54/ 53	.4	4.3	3.2	.8	.3													99	99		49	34								
52/ 51	1.3	4.2	3.0	.5	.1													107	102		94	70								
50/ 49	1.6	7.8	3.4	.5				.1										150	150		118	87								
48/ 47	1.9	7.5	1.3	.8			.1											128	178		167	106								
46/ 45	1.9	5.7	1.5	.4			.1											107	107		144	173								
44/ 43	1.6	6.7	1.1															105	105		108	116								
42/ 41	2.2	4.8	.9															89	89		113	113								
40/ 39	1.5	4.8	.2															73	73		90	107								
38/ 37	1.6	2.2	.2															45	45		80	89								
36/ 35	1.3	3.6	.1															56	56		49	77								
34/ 33	.5	1.9	.2															29	29		47	47								
32/ 31	.3	.6																10	10		20	32								
30/ 29	.2	.4																6	6		7	19								
28/ 27		.3																3	3		4	10								
26/ 25																														
24/ 23																						2	3							
22/ 21																														
16/ 15																														
14/ 13																														
TOTAL	17.3	58.1	18.9	3.9	1.3	.3	.2	.1																1116		1116		1116		
Element (X)	Σx'			Σx			Σ			Σ _x			No. Obs.			Mean No. of Hours with Temperature											Total			
Rel. Hum.	8630510			97540			87.4			9.721			1116			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					93				
Dry Bulb	2452296			51796			46.4			6.584			1116				1.6									93				
Wet Bulb	2260653			49761			44.6			6.126			1116				2.8									93				
Dew Point	2082627			47647			42.7			6.586			1116				6.2									93				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/NAO

PSYCHROMETRIC SUMMARY

74201
STAT

FORT LEJIS WASHINGTON/GRAY AAF
STATION NAME

39,60-70

767

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100
HOURS (L. S. T.)

[illegible]

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YEARS

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YEARS

MONTH

1200-1400

HOURS (L. S. - T.)

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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39,60-70

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STATION NAME

YEARS

MONTH

1500-1700

HOURS (L, S, T, I)

USAFETAC FORM 0.26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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39,60-70

207

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

[illegible]

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

74201

FORT LEWIS WASHINGTON/GRAY AAF

39, 60-62, 64-68

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MONTM

STATION

STATION NAME

YEARS

PAGE 1

0000-0200

HOURS (L S. Y.)

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3

YEARS

433V

STATION NAME

0300-0500

NOV 19 1963

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STATION NAME

YEARS

Notes

MONTH

HOURS (L. S. T.)

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (O1 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

24201	FORT LEWIS WASHINGTON/GRAY AAF	39,60-70
STATION	STATION NAME	

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MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

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USAFETAC
FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

24201	FOPT LEWIS WASHINGTON/GRAY AAF	39,60-70
STATION	STATION NAME	

455
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-20-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

PSYCHROMETRIC SUMMARY

39,60-70

444

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700
HOURS (L. S. T.)

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USAFETAC FORM 0.26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AFB 39,60-70

STATION

STATION NAME

YEARS

DAY

MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
58/ 57		.1	.2	.7														11	11					
56/ 55		.6	.2	.2	.2	.1												14	14	4	3			
54/ 53		1.5	1.0	.0	.2	.1												42	42	13	3			
52/ 51	.2	3.0	1.0	.3	.4													65	65	35	13			
50/ 49	.8	5.9	2.0	.0														110	110	65	53			
48/ 47	.6	9.3	4.0	.5	.1													165	165	122	78			
46/ 45	.8	9.7	2.3	.7														147	147	165	109			
44/ 43	1.2	7.9	3.0	.5														135	135	159	141			
42/ 41	1.5	6.3	2.0	.3														115	115	118	125			
40/ 39	1.6	5.6	1.2															91	91	124	140			
38/ 37	1.1	3.9	.9															64	64	95	99			
36/ 35	.9	3.9		.3														55	55	75	105			
34/ 33	.4	2.7																33	33	45	74			
32/ 31	.6	1.3	.1	.1														22	22	35	66			
30/ 29	.2	.6		.2														11	11	11	49			
28/ 27																				7	7			
26/ 25																				2	5			
24/ 23																				1	4			
22/ 21																					2			
18/ 17																					1			
14/ 13																					1			
10/ 9																					2			
TOTAL	9.9	53.0	21.2	4.9	.6	.2												1080	1080	1080	1080			

USAFETAC FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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N.J.V.
MONTH

YEARS

MONTH

2100-2300
HOURS (L. S. T.)

USAFETAC
FORM
NW 6-6
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF 39,60-68

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
60/ 59				.4														4	4					
58/ 57				.1	.1		.1											3	3					
56/ 55		.1	.2	.1	.2													6	6					
54/ 53		.2	1.0	.3	.2	.2												18	18	6	1			
52/ 51		1.1	.9	.4	.1													23	23	10	2			
50/ 49	.1	1.6	1.3	.3	.1													32	32	21	10			
48/ 47	.9	4.1	2.4	.8														75	75	38	30			
46/ 45	.8	6.0	1.8	.4														84	84	79	48			
44/ 43	1.4	5.2	.9	.1														70	70	92	54			
42/ 41	1.6	4.5	1.6	.6	.2													80	80	87	102			
40/ 39	1.7	4.8	1.3															73	73	68	85			
38/ 37	.3	7.5	.9															81	81	68	70			
36/ 35	3.0	7.5	1.0	.3														110	110	126	89			
34/ 33	1.7	4.0	1.0															62	62	83	100			
32/ 31	2.6	3.9	.5															65	65	73	76			
30/ 29	1.8	2.7	.2															44	44	53	69			
28/ 27	2.0	2.2																39	39	56	51			
26/ 25	.5	1.7																21	21	20	38			
24/ 23	.9	.6																14	14	21	44			
22/ 21	.2	.1	.2															5	5	6	19			
20/ 19	.1	.5	.1															7	7	3	17			
18/ 17	.3																	3	3	8	2			
16/ 15		.1																1	1	1	3			
14/ 13		.3																3	3	3	3			
12/ 11		.1																1	1	1				
10/ 9		.3																3	3	1	4			
8/ 7		.1																1	1	4	1			
6/ 5																					1			
4/ 3																					2			
2/ 1																					2			
0/ -1																					1			
-2/ -3																					3			
-4/ -5																					1			
Element (X)	Σ X ²			Σ X			X̄			σ _x			No. Obs.			Mean No. of Hours with Temperature								
Rel Hum																≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

DLC

STATION

STATION NAME

YEARS

MONTH

0000-0200

HOURS (L. S. T.)

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USAFETAC FORM 0-26-5 (O/LA)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF 39,60-68

DEC
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
58/ 57			.2	.2														4	4					
56/ 55		.1	.3				.3											7	7					
54/ 53		.5	1.1	.2	.1													18	18	4				
52/ 51		1.3	.9	.8														27	27	15	5			
50/ 49	.3	2.0	1.5															36	36	21	12			
48/ 47	.6	2.5	2.0	.6														54	54	45	36			
46/ 45	.6	5.4	1.5		.1													71	71	60	38			
44/ 43	1.9	5.6	1.8	.1	.1													89	89	91	60			
42/ 41	1.2	4.2	1.4	.2	.1													66	66	82	84			
40/ 39	1.5	5.2	1.7	.1														79	79	63	81			
38/ 37	.9	8.2	1.0															93	93	84	70			
36/ 35	2.8	5.6	.6	.1														86	86	117	101			
34/ 33	1.5	5.5	.8	.1														73	73	68	88			
32/ 31	2.4	4.5	.2															66	66	85	79			
30/ 29	1.8	3.4																49	49	55	58			
28/ 27	1.6	2.7	.2															42	42	58	59			
26/ 25	1.6	.5	.1															21	21	31	50			
24/ 23	.3	.5																8	8	5	43			
22/ 21	1.1	.5																15	15	18	13			
20/ 19	.5	.3																8	8	7	15			
18/ 17	.2	.2	.1															5	5	7	12			
16/ 15	.1																	1	1	1	5			
14/ 13		.3	.2															5	5	1	5			
12/ 11																				5	1			
10/ 9		.1																1	1		2			
8/ 7		.3																3	3	2	1			
6/ 5	.2																	2	2	4	2			
0/ -1																					0			
-4/ -5																					1			
-8/ -9																					2			
TOTAL	21.3	9.6	15.8	2.5	.4		.3											929	929	929	929			
Element (X)	Σ x ¹	Σ x	̄ x	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum	7066107	80461	86.6	10.242	929	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93												
Dry Bulb	1410941	35345	38.0	8.446	929		22.6					93												
Wet Bulb	1294697	33889	36.5	7.937	929		27.9					93												
Dew Point	1158656	31800	34.2	8.693	929	.9	35.4					93												

USAFETAC 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF 39,60-70

STATION STATION NAME

YEARS

DEC
MONTH

PAGE 1 0600-0800

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B. W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
58/ 57				.3				.1										4	4																
56/ 55			.2	.1			.2											5	5																
54/ 53		.4	.4	.3	.2													14	14														2		
52/ 51		1.3	1.0	.4	.1													32	32														3		
50/ 49	.1	1.6	2.2	.6														51	51														13		
48/ 47	.4	1.9	1.5	.2	.2													47	47														29		
46/ 45	.4	4.9	1.5	.4		.1												82	82														34		
44/ 43	1.5	5.5	2.0	.1	.1													102	102														76		
42/ 41	1.3	4.7	1.5	.4														89	89														92		
40/ 39	1.1	6.8	1.5															105	105														81		
38/ 37	1.7	7.0	.9															107	107														109		
36/ 35	2.2	6.6	.6															106	106														127		
34/ 33	2.0	6.0	.6	.3														99	99														98		
32/ 31	2.0	5.3		.1														82	82														89		
30/ 29	1.6	4.7																70	70														95		
28/ 27	.9	1.8																30	30														87		
26/ 25	1.0	1.7																30	30														66		
24/ 23	.4	1.2																18	18														32		
22/ 21	.3	.5																9	9														21		
20/ 19	.6	.8																16	16														16		
18/ 17	.4	.1																5	5														15		
16/ 15	.1																	1	1														13		
14/ 13		.2	.1															3	3														8		
12/ 11		.3																3	3																
10/ 9		.1																1	1														3		
8/ 7		.4																4	4														2		
6/ 5	.1																	1	1														4	2	
4/ 3																																		2	
2/ 1																																		2	
0/ -1																																		5	
-6/ -7																																		1	
TOTAL	16.1	53.8	14.1	3.1	.5	.1	.2	.1											1116														1116		1116
Element (X)	Σx²			Σx			x̄			σx			No. Obs.			Mean No. of Hours with Temperature										Total									
Rel. Hum.	8363969			95975			86.0			9.942			1116			≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F					93				
Dry Bulb	1066420			42146			37.8			8.189			1116					22.8											93						
Wet Bulb	1522776			40332			36.1			7.646			1116					28.9											93						
Dew Point	1348768			37696			33.8			8.228			1116			.5		37.8											93						

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24201 FORT LEWIS WASHINGTON/GRAY AAF 39,60-70

DLC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0900-1100

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
60/ 59				.1	.1													7	2						
58/ 57				.1	.1		.1	.1										4	4						
56/ 55		.2	.4		.2	.1	.1											10	10						
54/ 53		.2	.2	.4	.4													14	14	3					
52/ 51		1.3	2.7	.8	.2	.1												56	56	9	2				
50/ 49	.2	1.8	3.0	.8	.1													65	65	25	14				
48/ 47	.6	3.3	1.6	.6	.3													72	72	76	31				
46/ 45	.5	5.3	3.1	.4	.1													105	105	105	56				
44/ 43	.9	4.6	3.0	.5														107	107	91	80				
42/ 41	.4	5.2	2.6	.4														99	99	97	90				
40/ 39	.8	5.4	2.2	.1														94	94	130	79				
38/ 37	1.6	6.9	2.8															115	115	110	143				
36/ 35	1.4	6.5	1.5	.3	.1													110	110	116	112				
34/ 33	.4	6.5	.0	.2														87	87	94	90				
32/ 31	1.7	3.6	.5															65	65	110	108				
30/ 29	.7	2.5	.1	.1														38	38	52	100				
28/ 27	.6	1.8	.1															28	28	39	71				
26/ 25	.4	.8	.2															15	15	20	43				
24/ 23	.2	.4																7	7	12	28				
22/ 21	.3	.4																8	8	9	13				
20/ 19																				3	8				
18/ 17	.1	.2	.2															5	5	1	11				
16/ 15		.1	.1															2	2	3	4				
14/ 13		.4																4	4	2	7				
12/ 11		.2																2	2	5	2				
10/ 9		.2																2	2	3	1				
8/ 7																					1				
6/ 5																					1				
4/ 3																					3				
2/ 1																					3				
0/ -1																					5				
TOTAL	10,957	7,724	6,400	1,500	1,500	.200	.200	.100										1116	1116	1116	1116				
																		1116		1116					
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total													
Rel. Hum.	7839122	92716	83.1	10.896	1116	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93													
Dry Bulb	1833729	44409	39.8	7.726	1116		14.7					93													
Wet Bulb	1642856	42070	37.7	7.146	1116		21.7					93													
Dew Point	1426244	38896	34.9	7.957	1116	.4	34.0					93													

PSYCHROMETRIC SUMMARY

DEC

YFARS

MONTH

1200-1400
HOURS (L. S. Y.)

[illegible]

PSYCHROMETRIC SUMMARY

74201

FORT LEWIS WASHINGTON/GRAY AAF

39,60-70

GFC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

[illegible]

JSAFETAC FORM 0 26 5 (JLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

DEC

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

DEC

STATION

STATION	NAME
---------	------

YEARS

MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24201 FORT LEWIS WASHINGTON/GRAY AAF 39-40,60-70

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
00-02	MEAN	36.9	39.1	39.3	47.5	46.7	52.5	56.2	57.1	52.8	47.7	41.9	38.6	46.0											
	S D	7.729	6.871	5.992	5.194	5.670	4.718	4.445	4.458	5.313	5.966	6.643	8.144	9.181											
	TOTAL OBS	930	849	929	989	986	989	994	855	897	896	810	928	11052											
03-05	MEAN	36.4	38.2	37.9	41.0	44.7	50.6	53.6	54.5	50.9	46.5	41.1	38.0	44.7											
	S D	7.902	7.211	6.456	5.576	5.704	4.466	4.160	4.681	5.647	6.409	6.693	8.446	8.844											
	TOTAL OBS	930	849	930	995	1029	1020	1058	942	956	947	810	929	11425											
06-08	MEAN	38.0	37.6	38.1	43.1	49.4	53.4	57.8	57.1	52.0	46.4	40.9	37.8	46.3											
	S D	8.156	7.263	6.556	5.575	5.843	5.032	4.800	4.828	5.654	6.584	6.845	8.189	10.087											
	TOTAL OBS	1023	933	1023	1080	1113	1170	1182	1116	1075	1116	1078	1116	13027											
09-11	MEAN	38.1	42.1	45.1	49.9	56.2	61.9	65.3	65.2	60.1	52.3	44.6	39.8	52.1											
	S D	7.646	6.056	5.603	5.370	6.923	6.499	6.386	6.053	5.314	5.856	6.379	7.726	11.456											
	TOTAL OBS	1023	933	1022	1080	1116	1170	1182	1116	1076	1116	1080	1116	13030											
12-14	MEAN	41.6	47.3	49.9	54.1	61.0	66.8	71.5	71.1	65.8	57.2	48.5	42.9	56.9											
	S D	6.945	5.824	6.192	6.594	8.113	7.783	7.496	7.396	6.357	5.858	5.867	7.042	12.346											
	TOTAL OBS	1023	933	1023	1080	1116	1170	1182	1116	1077	1116	1080	1116	13032											
15-17	MEAN	41.5	47.9	50.6	54.7	62.3	68.3	73.8	72.9	67.3	57.3	48.0	42.4	57.7											
	S D	6.798	6.166	6.771	6.962	8.665	8.599	8.175	8.143	6.834	6.143	5.717	6.717	13.244											
	TOTAL OBS	1023	933	1023	1080	1116	1170	1179	1116	1077	1113	1080	1116	13028											
18-20	MEAN	38.9	43.4	45.9	50.3	58.0	64.9	69.9	68.3	61.7	51.9	44.1	40.0	53.5											
	S D	6.980	5.719	5.937	5.953	7.662	8.214	7.597	7.249	5.964	5.404	5.728	7.045	12.633											
	TOTAL OBS	1023	933	1023	1080	1116	1169	1179	1116	1075	1116	1080	1114	13024											
21-23	MEAN	37.5	40.6	41.7	45.1	51.2	57.4	61.8	61.5	56.1	48.9	42.5	39.1	48.6											
	S D	7.368	6.293	5.431	5.032	6.140	5.760	5.526	5.093	4.981	5.616	6.268	7.515	10.328											
	TOTAL OBS	992	905	992	1045	1027	1049	1053	941	957	1003	1019	1054	12039											
ALL HOURS	MEAN	38.4	42.1	43.7	47.7	53.9	60.0	64.1	63.9	58.6	51.2	44.1	39.9	50.9											
	S D	7.720	7.421	7.763	7.683	9.307	9.126	9.468	9.004	8.306	7.290	6.830	7.806	12.149											
	TOTAL OBS	7967	7268	7965	8429	8621	8937	9011	8318	8190	8425	8037	8489	99657											

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24201 FORT LEWIS WASHINGTON/GRAY AAF 39-40,60-70

STATION	STATION NAME	YEARS
00-02	MEAN S D TOTAL OBS	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANNUAL
03-05	MEAN S D TOTAL OBS	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANNUAL
06-08	MEAN S D TOTAL OBS	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANNUAL
09-11	MEAN S D TOTAL OBS	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANNUAL
12-14	MEAN S D TOTAL OBS	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANNUAL
15-17	MEAN S D TOTAL OBS	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANNUAL
18-20	MEAN S D TOTAL OBS	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANNUAL
21-23	MEAN S D TOTAL OBS	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANNUAL
ALL HOURS	MEAN S D TOTAL OBS	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANNUAL

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24201 FORT LEWIS WASHINGTON/GRAY AAF 39-40,60-70

STATION		STATION NAME												YEARS
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	32.5	34.7	34.8	37.8	41.2	46.3	49.2	50.2	47.9	44.3	38.7	34.5	41.0
	S D	8.787	7.465	6.294	5.578	5.396	4.198	4.650	4.674	5.795	5.739	6.442	8.338	8.707
	TOTAL OBS	930	849	929	989	986	989	984	855	897	896	810	928	11042
03-05	MEAN	31.9	34.3	34.0	37.1	40.4	45.6	48.2	49.1	46.9	43.2	38.0	34.2	40.5
	S D	8.862	7.607	6.469	5.880	5.594	4.259	4.690	4.908	6.040	6.285	6.551	8.693	8.720
	TOTAL OBS	930	849	930	995	1029	1049	1051	942	956	947	810	929	11417
06-08	MEAN	31.8	33.7	33.8	37.6	42.1	47.4	49.6	50.1	47.4	42.7	37.5	33.8	40.9
	S D	8.886	7.698	6.504	5.735	5.273	4.167	4.368	4.429	5.888	6.386	6.995	8.228	9.086
	TOTAL OBS	1023	933	1023	1060	1115	1168	1179	1116	1075	1116	1078	1116	13022
09-11	MEAN	32.6	36.0	36.1	36.5	42.7	48.0	50.6	51.5	49.4	45.2	39.5	34.9	42.3
	S D	8.696	6.924	6.184	5.542	5.647	4.538	4.417	4.099	5.336	5.825	6.443	7.957	8.826
	TOTAL OBS	1022	933	1022	1079	1116	1169	1182	1116	1076	1116	1080	1116	13027
12-14	MEAN	34.0	36.8	35.6	38.1	42.7	48.1	51.0	51.4	49.2	45.6	40.5	36.3	42.7
	S D	8.684	7.348	7.028	6.385	6.164	5.133	4.489	4.544	6.037	5.840	6.459	7.834	8.857
	TOTAL OBS	1023	933	1023	1080	1116	1169	1182	1116	1077	1116	1080	1116	13031
15-17	MEAN	34.2	36.5	35.3	37.7	42.0	47.8	50.5	50.8	48.7	45.5	40.6	36.4	42.4
	S D	8.423	7.764	7.364	6.646	6.611	5.563	4.994	5.347	6.786	6.209	6.333	7.701	8.946
	TOTAL OBS	1023	933	1023	1080	1116	1170	1178	1116	1077	1115	1080	1116	13027
18-20	MEAN	33.5	36.4	35.7	38.3	42.2	47.7	50.3	50.7	48.9	45.4	39.9	35.6	42.3
	S D	8.407	7.478	6.948	6.323	6.348	5.369	5.210	5.217	6.452	5.840	6.103	7.549	8.860
	TOTAL OBS	1023	933	1023	1080	1116	1169	1178	1116	1075	1116	1080	1114	13023
21-23	MEAN	32.8	35.6	35.6	38.5	42.4	47.5	50.3	50.9	48.8	44.6	38.9	34.9	41.7
	S D	8.513	7.325	6.407	5.655	5.505	4.394	4.665	4.750	5.806	5.508	6.318	7.810	8.772
	TOTAL OBS	992	905	992	1045	1027	1049	1051	941	957	1003	1019	1054	12035
ALL HOURS	MEAN	32.9	35.5	35.1	38.0	42.0	47.3	50.0	50.6	48.4	44.6	39.3	35.1	41.8
	S D	8.696	7.526	6.710	6.001	5.692	4.817	4.766	4.811	6.097	6.096	6.540	8.047	8.886
	TOTAL OBS	7966	7268	7965	8428	8621	8932	8985	8318	8190	8425	8037	8489	99624

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24201 FORT LEWIS WASHINGTON/GRAY AAF
STATION STATION NAME

39-40,60-70
PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.7	98.7	96.8	93.6	84.3	62.7	21.4	61.5	7966
FEB		100.0	100.0	99.2	97.5	94.6	88.1	75.5	53.7	24.9	79.7	7208
MAR		100.0	99.8	98.3	95.1	88.5	78.5	65.4	46.2	17.0	74.5	7965
APR		100.0	99.8	98.8	94.5	85.8	73.0	58.0	36.7	13.8	71.7	8428
MAY		100.0	99.5	96.0	91.2	78.6	64.2	47.6	27.9	10.5	67.5	8621
JUN		100.0	99.8	97.6	90.9	78.1	62.9	46.2	23.1	7.0	66.5	8932
JUL		100.0	99.8	97.7	88.5	73.6	56.7	39.2	20.4	5.1	63.9	8905
AUG		100.0	99.6	97.1	89.4	77.3	61.6	44.9	25.8	7.3	66.1	8318
SEP		100.0	99.8	98.6	94.2	85.8	73.6	58.7	39.4	14.6	72.3	8190
OCT		100.0	99.9	99.6	99.0	96.0	88.4	76.9	56.3	25.9	80.1	8425
NOV		100.0	100.0	99.9	99.6	98.5	93.1	87.5	69.1	32.9	84.2	8037
DEC		100.0	100.0	100.0	99.6	98.6	96.2	88.4	67.6	29.8	83.7	8489
TOTALS		100.0	99.9	98.7	94.9	87.7	77.7	64.4	44.2	17.5	74.3	99624

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24201 FORT LEWIS WASHINGTON/GRAY AAF

40,61-70

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.7	99.4	97.8	96.2	91.6	73.1	28.1	84.5	930
	03-05	100.0	100.0	99.9	99.2	97.8	95.7	90.5	73.7	28.7	84.4	930
	06-08	100.0	100.0	99.8	99.2	98.1	97.0	92.8	75.8	27.2	84.7	1023
	09-11	100.0	100.0	99.5	98.4	97.2	94.7	86.1	60.2	19.6	81.4	1022
	12-14	100.0	100.0	99.4	97.5	92.9	88.2	68.0	40.1	11.4	75.5	1023
	15-17	100.0	100.0	99.6	98.2	94.9	87.3	69.9	43.4	11.0	76.1	1023
	18-20	100.0	100.0	99.7	98.9	96.8	93.6	85.3	63.4	18.8	81.6	1023
	21-23	100.0	99.7	99.6	99.1	98.1	96.3	90.2	71.7	26.1	83.8	992
TOTALS		100.0	100.0	99.7	98.7	96.8	93.6	84.3	62.7	21.4	81.5	7066

RELATIVE HUMIDITY

FEB
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	99.8	99.2	96.9	89.0	69.1	34.5	84.8	849
	03-05	100.0	100.0	100.0	100.0	99.8	98.0	91.8	72.4	42.0	86.1	849
	06-08	100.0	100.0	99.8	99.7	99.6	98.5	93.5	75.0	37.8	86.2	933
	09-11	100.0	100.0	99.6	99.2	98.1	93.7	79.0	52.5	20.3	80.0	933
	12-14	100.0	99.9	98.1	93.7	87.1	69.9	46.0	24.8	8.9	68.7	933
	15-17	100.0	99.9	96.9	91.1	81.0	63.5	44.4	26.6	9.9	67.1	933
	18-20	100.0	100.0	99.1	97.6	94.5	88.3	72.1	46.3	18.3	77.6	933
	21-23	100.0	100.0	100.0	99.2	97.6	95.8	88.0	63.0	27.8	83.1	905
TOTALS		100.0	100.0	99.2	97.5	94.6	88.1	75.5	53.7	24.9	79.2	7268

RELATIVE HUMIDITY

40,61-70

"AR

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	99.9	99.4	97.3	90.3	72.9	29.5	84.6	929
	03-05	100.0	100.0	100.0	100.0	99.5	98.1	93.5	79.8	36.0	86.4	930
	06-08	100.0	100.0	100.0	100.0	99.7	98.1	92.2	74.9	27.6	85.0	1023
	09-11	100.0	100.0	99.4	97.8	93.2	79.2	55.4	30.7	8.0	72.0	1022
	12-14	100.0	99.2	96.3	88.2	71.1	46.6	27.5	13.1	2.4	60.1	1023
	15-17	100.0	99.4	92.9	82.1	62.9	44.8	31.7	14.9	4.1	58.8	1023
	18-20	100.0	100.0	98.0	93.4	85.1	71.0	52.7	30.5	9.8	69.7	1023
	21-23	100.0	100.0	99.9	99.1	97.1	92.5	79.5	52.9	18.4	79.7	992
TOTALS		100.0	99.8	98.3	95.1	88.5	78.5	65.4	46.2	17.0	74.5	7965

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24201 FORT LEWIS WASHINGTON/GRAY AAF

39-40,61-70

APR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	100.0	99.7	98.3	90.7	66.2	25.6	84.0	989
	03-05	100.0	100.0	100.0	100.0	99.9	99.1	95.3	76.9	33.7	86.4	995
	06-08	100.0	100.0	100.0	100.0	99.8	97.2	85.2	55.8	19.3	81.5	1080
	09-11	100.0	100.0	99.6	97.2	88.0	64.7	37.8	15.0	4.8	66.2	1079
	12-14	100.0	99.4	97.3	86.0	62.6	37.7	21.2	8.7	2.4	57.0	1080
	15-17	100.0	99.0	95.1	79.4	57.8	34.3	18.8	9.2	3.7	55.2	1080
	18-20	100.0	99.9	98.7	93.7	80.6	61.0	38.5	17.8	5.4	65.3	1080
	21-23	100.0	100.0	100.0	99.6	92.2	90.5	76.1	43.7	15.4	78.2	1045
TOTALS		100.0	99.8	98.8	94.5	85.8	73.0	58.0	36.7	13.8	71.7	8428

USAFETAC

FORM
JUL 64

0-87-5 (OL 1)

RELATIVE HUMIDITY

39-40, 61-70

MAY
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	99.9	99.2	97.2	84.8	56.5	22.5	81.8	986
	03-05	100.0	100.0	100.0	100.0	100.0	98.5	92.1	69.5	32.8	85.1	1029
	06-08	100.0	100.0	100.0	100.0	99.2	92.0	72.6	37.5	11.7	76.9	1115
	09-11	100.0	100.0	99.9	97.6	79.6	49.9	24.0	10.3	2.2	61.8	1116
	12-14	100.0	99.8	96.3	80.0	52.3	25.8	13.1	4.7	1.2	52.9	1116
	15-17	100.0	99.2	91.8	67.8	40.5	23.6	12.6	5.6	1.3	49.9	1116
	18-20	100.0	100.0	96.1	84.6	64.2	44.3	23.5	9.9	2.8	58.2	1116
	21-23	100.0	100.0	100.0	99.4	95.2	82.9	58.0	29.0	9.6	73.1	1027
TOTALS		100.0	99.9	98.0	91.2	78.8	64.3	47.6	27.9	10.5	67.5	8621

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24201 FORT LEWIS WASHINGTON/GRAY AAF
STATION STATION NAME

39-40,60-70
PERIOD

JUN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	99.3	93.4	83.5	49.3	15.1	80.0	989
	03-05	100.0	100.0	100.0	100.0	99.6	99.0	92.3	63.9	23.1	83.6	1049
	06-08	100.0	100.0	100.0	99.8	98.7	88.9	66.7	31.3	5.7	75.0	1168
	09-11	100.0	100.0	99.4	93.4	79.3	52.4	25.1	8.3	1.0	61.8	1169
	12-14	100.0	99.7	97.6	82.4	52.2	26.9	14.1	4.7	.6	53.2	1169
	15-17	100.0	99.1	90.3	69.6	42.8	23.1	13.8	6.3	.9	50.4	1170
	18-20	100.0	99.7	95.4	81.3	60.4	38.3	21.9	11.2	2.4	56.7	1169
	21-23	100.0	100.0	99.9	99.0	92.0	77.0	52.0	25.8	7.2	70.9	1049
TOTALS		100.0	99.8	97.6	90.9	78.1	62.9	46.2	25.1	7.0	66.5	8932

RELATIVE HUMIDITY

JUL

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.7	93.9	74.4	41.4	9.1	77.9	984
	03-05	100.0	100.0	100.0	100.0	100.0	99.0	86.5	58.2	20.2	82.5	1051
	06-08	100.0	100.0	100.0	99.9	98.3	89.2	66.9	31.0	6.8	75.0	1179
	09-11	100.0	100.0	99.7	96.0	77.4	44.0	20.3	5.9	.5	60.0	1182
	12-14	100.0	100.0	97.1	77.1	41.4	18.6	7.0	2.0	.3	49.9	1182
	15-17	100.0	98.9	90.4	58.9	32.7	14.2	6.5	2.8	.6	46.1	1179
	18-20	100.0	99.4	94.9	77.9	50.0	25.8	10.4	3.7	1.4	51.9	1178
	21-23	100.0	100.0	99.8	98.4	89.5	68.5	41.8	18.1	2.1	67.5	1051
TOTALS		100.0	99.8	97.7	88.5	73.6	56.7	39.2	20.4	5.1	63.9	8985

USAFETAC

FORM
111.64

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DATA PROCESSING DIVISION
 FTAC/USAF
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

24201 FORT LEWIS WASHINGTON/GRAY AAF

39,60-70

AUG

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	99.6	97.5	91.2	78.2	48.3	13.7	78.6	855
	03-05	100.0	100.0	100.0	100.0	99.5	96.3	86.4	61.1	22.9	82.8	942
	06-08	100.0	100.0	100.0	100.0	98.5	92.4	76.0	42.7	11.2	78.1	1116
	09-11	100.0	100.0	99.5	95.3	81.1	54.9	28.0	11.1	1.1	62.7	1116
	12-14	100.0	99.3	94.9	76.2	50.7	23.8	9.4	3.9	.6	51.7	1116
	15-17	100.0	97.9	87.6	63.6	40.8	21.1	10.8	5.1	1.3	48.7	1116
	18-20	100.0	99.5	95.0	79.6	60.9	38.5	20.5	10.6	1.8	56.2	1116
	21-23	100.0	100.0	99.7	97.0	89.6	74.8	49.8	23.8	5.6	69.7	941
TOTALS		100.0	99.6	97.1	89.4	77.3	61.6	44.9	25.8	7.3	66.1	8318

USAFETAC

FORM
JUL 54

0-87-5 (OL 1)

RELATIVE HUMIDITY

SEP
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	99.9	97.9	88.9	65.3	28.1	84.0	897
	03-05	100.0	100.0	100.0	100.0	99.9	99.0	73.6	74.9	35.8	86.6	956
	06-08	100.0	100.0	100.0	99.9	99.5	98.7	92.0	67.2	29.8	84.7	1075
	09-11	100.0	100.0	99.5	98.1	90.7	70.8	46.2	23.9	4.9	69.3	1076
	12-14	100.0	99.5	97.2	86.6	64.3	39.6	20.1	9.5	.6	57.3	1077
	15-17	100.0	99.4	94.0	77.3	54.7	32.6	16.8	3.3	.6	53.8	1077
	18-20	100.0	99.8	98.0	92.7	79.7	60.7	38.6	19.4	3.9	63.1	1075
	21-23	100.0	100.0	99.6	99.3	97.3	89.8	73.4	46.7	13.1	77.6	937
TOTALS		100.0	99.8	98.6	94.2	85.8	73.6	58.7	39.4	14.6	72.3	4190

RELATIVE HUMIDITY

39,60-70

ACT

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10°	20°	30°	40°	50°	60°	70°	80°	90°		
JULY	00-02	100.0	100.0	100.0	100.0	99.7	98.9	97.2	82.9	42.2	88.1	896
	03-05	100.0	100.0	99.9	99.8	99.6	99.2	96.7	85.2	48.6	88.9	947
	06-08	100.0	100.0	99.7	99.7	99.5	98.7	94.3	80.1	44.4	87.4	1116
	09-11	100.0	100.0	99.6	99.2	97.7	90.0	73.4	42.7	14.5	77.8	1116
	12-14	100.0	99.9	99.1	97.1	88.1	66.0	38.8	16.8	3.6	66.6	1116
	15-17	100.0	99.6	99.1	96.6	85.4	63.6	40.9	19.6	4.7	66.6	1115
	18-20	100.0	100.0	99.6	99.4	98.1	93.1	79.6	50.4	15.7	79.5	1116
	21-23	100.0	100.0	99.8	99.8	99.5	97.9	94.5	72.9	33.4	85.6	1003
TOTALS		100.0	99.9	99.6	99.0	90.0	88.4	76.9	56.3	25.9	80.1	8425

RELATIVE HUMIDITY

NOV
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	100.0	99.6	98.8	96.4	84.9	45.2	88.6	810
	03-05	100.0	100.0	100.0	100.0	100.0	99.3	97.9	85.7	47.2	89.2	810
	06-08	100.0	100.0	100.0	99.7	99.6	98.4	96.2	84.3	43.1	88.3	1078
	09-11	100.0	100.0	99.9	99.7	98.3	95.6	87.6	65.3	26.2	83.1	1060
	12-14	100.0	100.0	99.4	98.5	95.3	84.0	63.5	35.5	12.3	74.8	1080
	15-17	100.0	100.0	99.7	99.0	96.2	87.5	70.0	42.8	14.4	76.7	1080
	18-20	100.0	100.0	100.0	99.9	99.4	97.9	92.4	73.8	31.6	85.4	1080
	21-23	100.0	100.0	100.0	99.9	99.6	98.0	95.7	80.4	40.8	87.5	1019
TOTALS		100.0	100.0	99.9	99.6	98.5	95.1	87.5	69.1	32.9	83.2	8037

RELATIVE HUMIDITY

02C

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	99.6	98.8	97.4	91.9	75.2	38.9	86.0	928
	03-05	100.0	100.0	100.0	99.4	96.9	98.4	94.5	76.3	40.6	86.6	929
	06-08	100.0	100.0	100.0	99.7	99.3	98.1	93.5	77.2	35.7	86.0	1116
	09-11	100.0	100.0	100.0	99.6	98.7	96.0	88.5	65.4	26.4	83.1	1116
	12-14	100.0	100.0	100.0	99.1	97.0	90.9	75.7	47.3	14.0	78.1	1116
	15-17	100.0	100.0	100.0	99.7	97.5	93.9	81.0	53.0	16.8	80.0	1116
	18-20	100.0	100.0	100.0	100.0	99.6	97.9	91.7	70.9	29.7	84.6	1114
	21-23	100.0	100.0	100.0	99.8	99.3	96.9	90.6	74.3	36.4	85.4	1054
TOTALS		100.0	100.0	100.0	99.6	96.6	96.2	88.4	67.6	29.8	83.7	8489

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

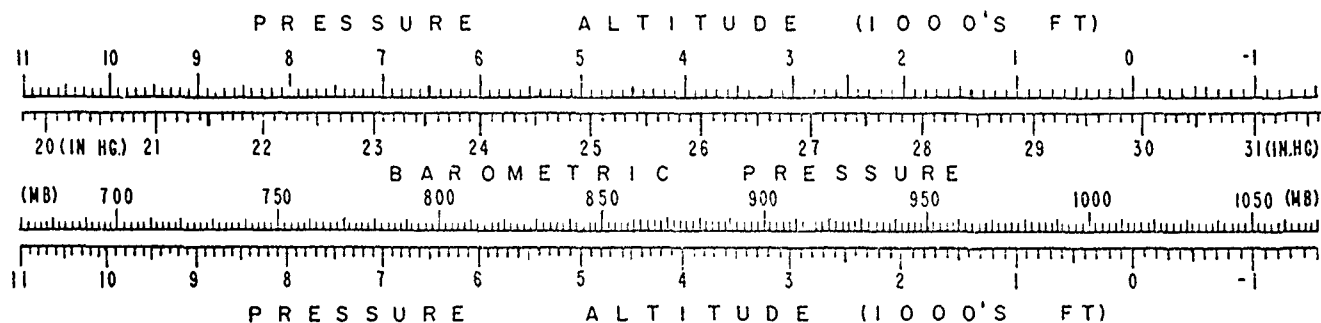
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

24201 FORT LEWIS WASHINGTON/GRAY AAF 60-63,65-70

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
01	MEAN	29.7222	29.6722	29.6522	29.7222	29.7222	29.7112	29.7222	29.7022	29.6822	29.7022	29.6522	29.710	29.700	
	S D	.309	.238	.237	.198	.143	.119	.095	.093	.137	.224	.233	.306	.203	
	TOTAL OBS	217	197	217	210	205	210	216	224	240	237	210	247	2430	
04	MEAN	29.7242	29.6722	29.6422	29.7172	29.7222	29.7142	29.7322	29.7022	29.6822	29.6922	29.6522	29.713	29.699	
	S D	.302	.243	.243	.207	.142	.119	.094	.093	.140	.222	.242	.297	.210	
	TOTAL OBS	217	197	217	210	205	210	217	223	240	237	210	248	2431	
07	MEAN	29.7122	29.6622	29.6522	29.7322	29.7522	29.7122	29.7522	29.7122	29.7022	29.7022	29.6822	29.652	29.737	
	S D	.304	.249	.255	.205	.157	.122	.093	.103	.147	.222	.255	.295	.213	
	TOTAL OBS	243	225	245	240	248	270	279	310	299	310	300	310	3247	
10	MEAN	29.7212	29.7022	29.6922	29.7462	29.7522	29.7122	29.7522	29.7222	29.7122	29.7222	29.6742	29.700	29.713	
	S D	.307	.252	.255	.202	.150	.121	.094	.109	.147	.221	.260	.302	.214	
	TOTAL OBS	248	225	248	240	248	270	279	310	300	310	300	310	3248	
13	MEAN	29.6972	29.6622	29.6742	29.7312	29.7322	29.7022	29.7322	29.7022	29.6922	29.7122	29.6522	29.652	29.700	
	S D	.305	.251	.248	.194	.147	.122	.093	.104	.142	.224	.255	.303	.212	
	TOTAL OBS	248	225	248	240	248	270	279	310	300	309	300	310	3247	
16	MEAN	29.6902	29.6672	29.6522	29.7122	29.7122	29.6822	29.7122	29.6722	29.6722	29.6822	29.6472	29.662	29.682	
	S D	.303	.245	.239	.185	.143	.123	.095	.103	.136	.224	.247	.300	.203	
	TOTAL OBS	248	225	243	240	248	270	279	310	300	310	300	310	3238	
19	MEAN	29.6972	29.6712	29.6522	29.7112	29.7022	29.6762	29.6922	29.6672	29.6702	29.6912	29.6472	29.655	29.681	
	S D	.304	.239	.235	.184	.141	.122	.096	.097	.134	.224	.248	.308	.206	
	TOTAL OBS	248	225	248	240	248	270	279	310	300	310	300	310	3268	
22	MEAN	29.7032	29.6832	29.6752	29.7282	29.7242	29.7112	29.7122	29.6912	29.6822	29.7122	29.6522	29.674	29.677	
	S D	.305	.239	.236	.188	.141	.116	.097	.096	.135	.218	.250	.295	.213	
	TOTAL OBS	248	225	248	235	204	210	217	222	240	231	300	310	2720	
ALL HOURS	MEAN	29.7062	29.6612	29.6672	29.7232	29.7302	29.7032	29.7252	29.6972	29.6902	29.7042	29.6562	29.695	29.675	
	S D	.304	.244	.244	.195	.146	.121	.096	.102	.141	.224	.248	.299	.211	
	TOTAL OBS	1922	1744	1922	1855	1854	1900	2045	2214	2219	2254	2220	2356	24619	

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/OAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

24201 FORT LEWIS WASHINGTON/GRAY AAF 39-40,60-70

STATION		STATION NAME												YEARS														
HRS (LST)		JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL		
01	MEAN	1	17.6	17.1	16.5	16.2	16.5	16.1	17.4	17.1	17.7	17.1	17.1	16.9	16.9	17.7	16.1	17.7	16.8	16.7	16.7	16.8	16.7	16.7	16.7	16.7	16.7	16.7
	S D	10.373	8.869	8.210	6.754	4.811	4.082	3.433	3.397	4.854	7.490	8.153	8.633	7.185														
	TOTAL OBS	310	282	310	329	329	330	331	286	300	299	270	310	3664														
04	MEAN	1	17.5	17.3	16.8	16.1	16.3	16.1	17.5	17.1	17.5	17.1	17.1	16.8	16.1	17.5	16.1	17.5	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
	S D	10.441	9.050	8.409	6.915	4.776	4.087	3.448	3.476	4.909	7.535	8.062	8.524	7.223														
	TOTAL OBS	310	283	310	330	329	330	332	285	300	299	270	309	3647														
07	MEAN	1	17.1	17.3	16.6	16.1	16.1	16.1	17.7	17.1	17.7	16.1	17.7	16.1	16.1	17.7	16.1	17.7	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
	S D	10.417	9.091	8.697	6.975	4.874	4.172	3.438	3.581	5.121	7.515	8.733	9.550	7.325														
	TOTAL OBS	341	311	341	359	371	390	394	372	389	372	351	372	4341														
10	MEAN	1	17.7	16.8	16.1	16.1	16.1	16.1	17.7	17.1	17.7	16.1	17.7	16.1	16.1	17.7	16.1	17.7	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
	S D	10.350	8.192	6.708	6.790	4.775	4.117	3.409	3.583	5.135	7.607	8.857	9.563	7.345														
	TOTAL OBS	341	311	341	360	372	390	394	372	360	372	360	372	4345														
13	MEAN	1	16.9	17.4	16.6	16.1	16.1	16.1	17.7	17.1	17.7	16.1	17.7	16.1	16.1	17.7	16.1	17.7	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
	S D	10.553	8.104	6.473	6.625	4.931	4.129	3.392	3.565	4.951	7.573	8.653	9.435	7.254														
	TOTAL OBS	349	311	341	360	372	390	394	372	360	372	360	372	4343														
16	MEAN	1	16.7	17.0	16.6	16.1	16.1	16.1	17.7	17.1	17.7	16.1	17.7	16.1	16.1	17.7	16.1	17.7	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
	S D	10.454	8.867	8.221	6.368	4.337	4.149	3.415	3.476	4.726	7.470	8.418	9.347	7.100														
	TOTAL OBS	341	311	341	350	372	390	393	372	360	372	360	371	4343														
19	MEAN	1	17.0	17.2	16.5	16.1	16.1	16.1	17.7	17.1	17.7	16.1	17.7	16.1	16.1	17.7	16.1	17.7	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
	S D	10.351	8.745	8.095	6.310	4.778	4.078	3.416	3.392	4.691	7.604	8.474	9.173	7.309														
	TOTAL OBS	341	311	341	350	372	390	393	372	360	372	360	370	4342														
22	MEAN	1	17.2	17.5	16.8	16.1	16.1	16.1	17.7	17.1	17.7	16.1	17.7	16.1	16.1	17.7	16.1	17.7	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
	S D	10.440	8.808	8.114	6.424	4.741	3.960	3.453	3.393	4.746	7.547	8.624	9.292	7.275														
	TOTAL OBS	341	311	341	355	327	330	331	284	300	323	359	371	3373														
ALL HOURS	MEAN	1	17.2	17.4	16.6	16.1	16.1	16.1	17.7	17.1	17.7	16.1	17.7	16.1	16.1	17.7	16.1	17.7	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
	S D	10.447	8.960	8.370	6.652	4.893	4.118	3.472	3.539	4.914	7.551	8.521	9.471	7.251														
	TOTAL OBS	2604	2432	2606	2813	2844	2940	2962	2714	2699	2781	2698	2847	33060														